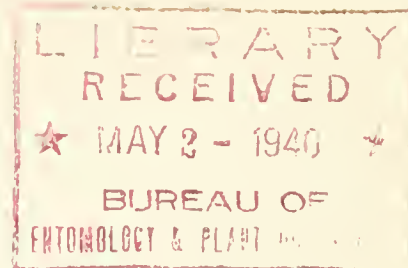


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THE INSECT PEST SURVEY  
BULLETIN



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Volume 19

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<i>Chalcodermus collaris</i> Horn -----	3	87
<i>Chalepus dorsalis</i> Thunb. -----	5	295
	6	402-403
	7	421, 467
	8	485, 512
<i>Chalepus rubra</i> Weber -----		
<u>See</u> <i>Baliosus ruber</i> (Weber).		
<i>Chaoborus lacustris</i> Freeborn -----	8	520
<i>Chaoborus</i> sp. -----	6	413
<i>Chelonus annulipes</i> Wesm. -----	8 (Sup.)	529, 530, 533, 534
<i>Chelonus texanus</i> Cress. -----	9	550
<i>Chermes cooleyi</i> Gill. -----		
<u>See</u> <i>Adelges cooleyi</i> Gill.		
<i>Chermes</i> sp. -----	5	332
<i>Chermes strobilobius</i> Kltb. -----	5	331-332
<i>Chilo plejadellus</i> Zinck. -----	8	492
<i>Chilocorus stigma</i> Say -----	2	43
<i>Chionaspis americana</i> Johns. -----	3	90
	8	511
<i>Chionaspis euonymi</i> Comst. -----	2	52
	3	93
	4	167
	6	409
	7	473
	8	517-518
	9	581
<i>Chionaspis furfura</i> (Fitch) -----	6	369
<i>Chionaspis ortholobis</i> Comst. -----	1	18
	9	579
<i>Chionaspis pinifoliae</i> (Fitch) -----	1	17
	2	50
	3	91
	4	166
	5	335
	6	405
	9	577

<i>Chloealtis conspersa</i> Harr. -----	4 (Sup.)	205, 215, 218, 239, 267
<i>Chlorochroa sayi</i> (Stal) -----	4	117
	7	421, 429
	9	551
<i>Chlorophorus annularis</i> (F.) -----	3	102
<i>Chorizagrotis auxiliaris</i> (Grote) -----	5	282
<i>Chortippus curtipennis</i> (Harr.) -----	4 (Sup.)	259
<i>Chortippus longicornis</i> (Latr.) -----	4 (Sup.)	196, 202, 203, 205
		208, 215, 218, 224, 232
		239, 251, 264, 265, 267
<i>Chortophaga viridifasciata</i> (Deg.) -----	4 (Sup.)	193-194, 205, 206, 211
		222, 243, 254, 255, 257
	5	276
<i>Chrysobothris femorata</i> (Oliv.) -----	1	16
	3	70
	4	131
	9	556
<i>Chrysoclista linneella</i> Clerck -----	4	164
<i>Chrysomela interrupta</i> (F.)		
<u>See</u> <i>Chrysomela lapponica</i> (L.) -----	5	336-337
	8	515
<i>Chrysomela scripta</i> F. -----	5	337
	6	406
	7	470
	8	515
<i>Chrysomphalus aonidum</i> (L.) -----	5	341
	9	560, 579
<i>Chrysomphalus citrinus</i> (Coq.)	5	303
	9	560
<i>Chrysomphalus obscurus</i> (Const.) -----	1	10
	2	42, 50
	7	468
	9	576
<i>Chrysops discalis</i> Will. -----	5	346
	6	415
<i>Chrysops fuliginosa</i> Wied. -----	4	172
<i>Chrysops fulvastra</i> O.S. -----	5	346
	6	415
<i>Chrysops nigera</i> Macq. -----	5	346
<i>Chrysops</i> spp. -----	5	346
	6	415
<i>Cicadellidae</i> -----	4	141
	7	439-440
	8	493
	9	557, 560
<i>Cimbex americana</i> Leach -----	8	515
<i>Cimex lectularius</i> L. -----	1	21
	3	96
<i>Cinara sabinæ</i> Gill. -----	5	341
<i>Cincticornia pilulæ</i> Walsh -----	6	404
<i>Cingilia catenaria</i> (Drury) -----	8	509

<i>Cirphis unipuncta</i> (Haw.) -----	4	112,124-125
	5	272,286-287
	6	360
	8	487
	9	550
<i>Cladius isomerus</i> Nort. -----	4	170
<i>Clytoleptus albofasciatus</i> (Lap.) -----	7	420,442
<i>Cnephasia longana</i> (Haw.) -----	4	153
	5	314
	7	420,445
<i>Coccus hesperidum</i> L. -----	4	167
	6	408
	7	472
	8	517
	9	580
<i>Cochliomyia americana</i> C. & P. -----	2	55
	3	97-98
	4	173-174
	5	345
	6	415
	7	421,477-478
	8	521-522
	9	585
	10	646-647
<i>Cochliomyia macellaria</i> (F.) -----	7	478
	8	521
<i>Cochliomyia</i> sp. -----	3	98
<i>Colaspis brunnea</i> (F.) -----	4	168
	5	272,290
	6	365,376
<i>Colaspis</i> sp. -----	5	340
<i>Coleophora laricella</i> Hbn. -----	4	163-164
	5	331
<i>Coleophora malivorella</i> Riley -----	3	73
	4	135
	5	295
	6	370
<i>Colias eurytheme</i> Bdv. -----	3	70
	7	434
	8	491
<i>Colopha ulmicola</i> (Fitch) -----	6	401
<i>Coloradia pandora</i> Blake -----	4	165-166
	5	334
	10	645
<i>Conopia bibionipennis</i> (Bdv.) -----	6	391
<i>Conopia exitiosa</i> (Say) -----	1	9
	2	40
	3	76,100
	4	137
	5	298-299
	7	441
	8	495
	9	558

Conopia pictipes (G. & R.) -----	3	76
Conopia rhododendri (Beutn.) -----	3	95
Conotrachelus anaglypticus (Say) -----	6	409
Conotrachelus erinaceus Lec. -----	5	320
Conotrachelus nemuphar (Hbst.) -----	3	76-77
	4	113, 138
	5	272, 297-298
	6	352, 372-373
	7	440
	8	485, 494
	9	558
Conozoa sp. -----	4 (Sup.)	202, 232, 248, 249
Conozoa sulcifrons Scudd. -----	4 (Sup.)	232, 233, 259
Contarinia sorghicola (Coq.) -----	7	436
Contarinia sp. -----	4	169
Contarinia virginianiae Felt -----	5	328
Cordillacris cremulata Brun. -----	4 (Sup.)	196, 210, 211, 224, 227
		228, 235, 251, 267
Cordillacris occipitalis Thos. -----	4 (Sup.)	196, 235, 239
Cordillacris occipitalis occipitalis Thos. -	4 (Sup.)	224, 228, 251, 267
Corizus sidae (F.) -----	8	516
Corthylus punctatissimus (Zimm.) -----	3	95
Corythucha arcuata (Say) -----	6	410
	7	468
Corythucha ciliata (Say) -----	9	576
Corythucha cydoniae Fitch -----	9	581
Corythucha marmorata (Uhl.) -----	3	93
	5	339
Cossula magnifica Stkr. -----	1	10
	2	42
Cotinis nitida (L.) -----	3	91
	6	357
	7	425
	9	548
Crambus caliginosellus Clem. -----	4	154
	5	316
Crambus sp. -----	4	127
	5	283
Crambus trisectus Walk. -----	5	338
Cratypedes neglectus Thos. -----	4 (Sup.)	196, 224, 235, 267
Cremastus flavoorbitalis (Cam.) -----	8 (Sup.)	530, 533
Crematogaster lineolata (Say) -----	3	101
	4	176
	5	348
	9	586
Crematogaster lineolata var. near cerasi Fitch -----	6	375-376
Creontiades femoralis Van D. -----	9	570
Crioceris asparagi (L.) -----	2	46
	3	84
	4	150-151
	5	272, 313



<i>Crioceris asparagi</i> (L.) (Cont'd.) -----	6	388
	7	453
	9	566
	10	637
<i>Crioceris duodecimpunctata</i> (L.) -----	5	313
	7	453
	10	637
<i>Crioceris</i> spp. -----	5	313
	10	637
<i>Cryptococcus fagi</i> (Baer.) -----	9	572
<i>Cryptophyllaspis liquidambaris</i> Kot. -----	6	412
<i>Ctenocephalides canis</i> (Curt.) -----	1	21
	3	96
<i>Ctenocephalides felis</i> (Bouche) -----	3	96
<i>Culex bahamensis</i> D. & K. -----	2	54
<i>Culex pipiens</i> L. -----	7	476
	8	520
	9	584
<i>Culex tarsalis</i> Coq. -----	3	97
	7	476
	8	520
<i>Culicinae</i> -----	2	54
	3	97
	4	172
	6	413
	7	476
	8	519
	9	584
<i>Culicoides</i> spp. -----	2	54
	4	172
	8	520
<i>Culicoides melleus</i> (Coq.) -----	8	520
<i>Curculio algonquinus</i> (Gsy.) -----	9	559
<i>Curculio caryae</i> (Horn) -----	1	10
	7	443
	9	559-560
<i>Curculio proboscideus</i> F. -----	9	559
<i>Curculio rectus</i> (Say) -----	9	559
<i>Curculio</i> spp. -----	9	559-560
<i>Curculionidae</i> -----	3	73
<i>Cylas formicarius</i> (F.) -----	1	14
	8	503
	9	567
<i>Cylindrocopturus longulus</i> (Lec.) -----	6	402
<i>Cyllene robiniae</i> (Forst.) -----	1	17
	4	164
	6	403
	8	512
	9	575
<i>Cynaesus angustus</i> (Lec.) -----	7	481

Dactylopius confusus newsteadi Okll. -----	6		418
Dactylotum pictum Thos. -----	4 (Sup.)	196, 228, 235, 251, 255	
Danaus menippe (Hbn.) -----	9		551
Dasyneura leguminicola (Lint.) -----	6		367
Dasyneura mali Kieff. -----	5		296
Dasyneura pyri (Bouche) -----	5		300
Dasyneura rhodophaga (Coq.) -----	3		96
	10		640-641
Datana integerrima G. & R. -----	6		376-377
	7		444
	8		515
Datana major G. & R. -----	9		580
Datana ministra (Drury) -----	6		370
	7		437
	8		493
Deinocerites cancer Theob. -----	6		413
Dendroctonus brevicornis Lec. -----	10		644
Dendroctonus frontalis Zimm. -----	7		468
	8		513-514
Dendroctonus monticolae Hopk. -----	10		643
Dendroctonus pseudotsugae Hopk. -----	6	353, 401-402	
	10		643-644
Dendroctonus terebans (Oliv.) -----	7		468
	8		514
Deprus sp. -----	4 (Sup.)		235
Dermacentor andersoni Stiles -----	3		97
	4		173
	5		345
	7		477
	10		647
Dermacentor occidentalis Neum. -----	8		521
	9		584
Dermacentor variabilis (Say) -----	1		21
	3		97
	4		172-173
	5		344, 345
	6	353, 413-414	
	7		476-477
	8		521
	10		647
Dermanyssus gallinae (Deg.) -----	5		347
Dermestidae -----	7		480
	8		525
Derocrepis erythropus (Melsh.) -----	4		131
Derotmema haydenii Thos. -----	4 (Sup.)	196, 211, 224, 228	
		235, 239, 251, 259, 267	
Derotmema laticinctum Scudd. -----	4 (Sup.)		235
Derotmema sp. -----	4 (Sup.)		235
Desmia funeralis (Hbn.) -----	3		78
	4		140
	6		375
	7		443

Dexia ventralis Ald. -----	1 (Sup.)	25
Diabrotica balteata Lec. -----	2	43
	3	82
	4	143
	5	312
	7	444-445
	9	546, 562
Diabrotica duodecimpunctata (F.) -----	1	11
	2	40, 43-44
	3	67, 80
	4	127, 143
	5	312
	7	444
	8	498
	9	562
Diabrotica duodecimpunctata tenella Lec. ---	7	445
Diabrotica longicornis (Say) -----	7	433-434
Diabrotica soror Lec. -----	7	445
Diabrotica spp. -----	5	311-312
	7	444-445
	8	498
	9	562
Diabrotica tricineta (Say) -----	8	498
Diabrotica trivittata (Mann.) -----	8	498
Diabrotica vittata (F.) -----	3	80
	4	150
	5	272, 311, 312
	6	378
	7	444
	8	498
	9	562
Dialeurodes citri (Ashm.) -----	2	42
	3	93
	4	142
	5	303
	7	471
	8	497, 516
	9	579
Dialeurodes spp. -----	8	516
Diaphania hyalinata (L.) -----	7	452
	8	502
Diaphania nitidalis (Stoll) -----	5	312
	6	388
	7	452
	8	502
Diaphania spp. -----	7	452
	8	502
	9	565-566
Diapheromera femorata (Say) -----	9	572
Diarthronomyia hypogaea (Loew) -----	1	19
Diaspis carueli Targ. -----	2	52
	5	341
	6	409
	7	474



<i>Diatraea crambidoides</i> (Grote) -----	6	363
<i>Diatraea saccharalis</i> (F.) -----	8	491, 492
<i>Dibolia borealis</i> Chevr. -----	2	59
<i>Dichomeris marginellus</i> F. -----	3	94
	5	341
	7	474
<i>Dichromina</i> sp. -----	5	338
<i>Dichromorpha viridis</i> (Scudd.) -----	4 (Sup.)	205, 206, 208, 221
<i>Dikraneura cockerellii</i> Gill. -----	4	141
<i>Dilachmus</i> sp. -----	9	577
<i>Dinocampus coccinellae</i> (Schr.) -----	7	433
<i>Dinoderus brevis</i> (Horn) -----	7	481
<i>Diplotaxis frondicola</i> Say -----	3	96
<i>Diprion polytomum</i> (Htg.) -----	5	335-336
	6	406
	7	422
	9	546, 577-578
<i>Diprion simile</i> (Htg.) -----	7	469
<i>Diptera</i> -----	2	47
	5	344
	9	567
<i>Disonycha triangularis</i> (Say) -----	6	407
<i>Dissosteira carolina</i> (L.) -----	4 (Sup.)	189, 193-194, 196
		202-203, 205, 208-211
		215-218, 221, 224-226
		228, 232, 235, 239, 243
		248-249, 251, 255, 259
		261, 264, 267, 269
	3	62
	4	115
	4 (Sup.)	179, 188-189
		195, 196, 200, 211
		228, 234, 235, 237, 242
		243, 254, 255, 257, 267
	5	275-277
	6	352, 354
	7	423, 424
	10	628
<i>Dissosteira spurcata</i> Sauss. -----	4 (Sup.)	189, 202, 259
<i>Doryphorophaga doryphorae</i> (Riley) -----	9	563
<i>Dorytomus mucidus</i> (Say) -----	2	50
<i>Drepanaphis acerifoliae</i> (Thos.) -----	5	332
	6	403
	9	575
<i>Drepanopterna femoratum</i> Scudd. -----	4 (Sup.)	196, 211, 224
		228, 235, 237, 239.
		251, 255, 259, 267
<i>Drepanothrips reuteri</i> Uzel -----	5	302
<i>Dynastes tityus</i> (L.) -----	4	164
<i>Dysdercus suturellus</i> (H.S.) -----	1	15
	5	322
	8	506
	9	570

Elasmopalpus lignosellus (Zell.) -----	4	127
	5	289
Elateridae -----	3	64
	4	111, 118-119
	5	273-274, 280
	6	358-359
	7	425
	9	549
Eleodes opaca (Say) -----	3	66
Eleodes spp. -----	4	120
	9	553
Ellopia fiscellaria Guen. -----	10	645
Empoasca fabae (Harr.) -----	4	146
	5	307, 343
	6	382-383
	7	447
Empoasca sp. -----	9	564
Enchenopa binotata (Say) -----	9	551
Encoptolophus pallidus subgracilis Caud. ---	4 (Sup.)	243, 255
Encoptolophus sordidus costalis Scudd. -----	4 (Sup.)	196, 224, 228, 235
		239, 255, 257, 267
Encoptolophus sordidus sordidus (Burm.) ----	4 (Sup.)	208, 215, 218, 221, 224
		239, 264
Encoptolophus subgracilis texensis Burm. ---	4 (Sup.)	228
Engytatus geniculatus Reut. -----	2	45
	6	383
Ennomos subsignarius (Hbn.) -----	5	323
Entomoscelis adonidis (Pallas) -----	6	378
Epargyreus tityrus F.		
See Proteides clarus (Gram.).		
Ephestia cautella (Walk.) -----	2	58
Ephestia figulilella Greg. -----	7	443
Ephydra subopaca Loew -----	7	481
Epicaerus imbricatus Say -----	3	73
	5	314
Epicaerus formidolosus Boh. -----	5	320
	6	377
Epicauta cinerea (Forst.) -----	4	144
	6	379
	7	428
	8	487
Epicauta ferruginea (Say) -----	5	281
Epicauta lemniscata F. -----	5	281
	7	427, 428
Epicauta maculata (Say) -----	5	281
	6	379
Epicauta marginata (F.) -----	5	281
	6	378
	7	427
Epicauta pennsylvanica (Deg.) -----	7	427
	8	487
Epicauta sericans Lec. -----	7	428

Epicauta spp. -----	7	428
Epicauta vittata (F.) -----	6	379
	7	427
	8	487
Epilachna borealis (F.) -----	6	388
	7	452
Epilachna varivestis Muls. -----	3	61, 82
	4	146-147
	5	272, 308-309
	6	383-385
	7	420, 448-449
	8	485, 499-500
	9	546, 564
	10	636
Epinotia meritana Heinr. -----	7	466
Epinotia nanana Treit. -----	5	336
Epitrimerus sp. -----	7	475
Epitrix cucumeris (Harr.) -----	4	113, 143, 146
	5	306, 307
	6	380-381
	7	446
Epitrix parvula (F.) -----	2	47
	3	86
	4	154
	5	306, 316
Epitrix spp. -----	5	272, 274, 306-307
	6	380-381
Epitrix subcrinita Lec. -----	4	146
	5	306
Epochra canadensis Loew -----	4	140
Eretmocerus haldemani How. -----	8	507
Erinnyis alope Drury -----	6	377
Erinnyis sp. -----	6	377
Eriocampa juglandis (Fitch) -----	8	515
Eriococcus azaleae Comst. -----	2	51
	3	92
	4	168
	5	339
	6	408
	9	580
Eriophyes fraxiniflora Felt -----	7	463
	8	509
Eriophyes pyri Pgst. -----	5	300
	8	495
Eriosoma americanum (Riley) -----	5	330
	6	401
	8	511
Eriosoma crataegi (Oestlund) -----	7	474
	9	582
Eriosoma lanigerum (Hausm.) -----	2	39
	3	75
	5	296, 330
	6	371, 401

Eriosoma lanigerum (Cont'd.) -----	8	493
	9	557
Eriosoma spp. -----	6	401
Erythrastides pygmaea (Say) -----	7	443
Erythroneura comes (Say) -----	3	79
	4	141
	5	301-302
	6	375
	7	443
	8	496
	9	559
Erythroneura comes ziczac Walsh -----	5	302
	6	375
	8	496
Erythroneura dowelli Beam. -----	7	440
Erythroneura elegans McA. -----	5	302
Erythroneura hartii (Gill.) -----	8	493
	9	557
Erythroneura lawsoniana Baker -----	7	440
	9	557
Erythroneura obliqua (Say) -----	9	557
Erythroneura omani Beam. -----	7	440
Erythroneura spp. -----	6	375
	7	443
	8	496
Erythroneura tricineta cymbium McA. -----	4	141
Euceraphis betulae (Koch) -----	5	327
Eucosma gloriola Heinr. -----	7	469
Euetheola rugiceps (Lec.) -----	4	130
	5	289
Eulophus viridulus Thoms. -----	8 (Sup.)	529, 533-534
Eupalopsis mali Ewing -----	7	442
	9	558
Eupelmus allnyi (French) -----	2	59
Euphoria fulgida (F.) -----	6	371
Euphoria inda (L.) -----	6	358
	9	548
Euphoria rufobrunnea Csy. -----	9	549
Euphoria sepulchralis (F.) -----	4	131
Euphoria spp. -----	9	548-549
Euryopthalmus convivus Stal -----	3	92
	8	502
Eutettix tenellus (Bak.) -----	1	14
	3	86
	4	113, 153-154
	6	383
	8	504
	9	566
	10	634-635
Eutrombicula alfreddugesi (Oud.) -----	6	414
Eutrombidium trigonum (Hermann) -----	6	355
Euxoa ochrogaster (Guen.) -----	5	273
Euxoa sp. -----	5	282



<i>Feltia venerabilis</i> Walk. -----	4	121
<i>Fenusa pumila</i> Klug -----	5	327
	6	399
<i>Fenusa ulmi</i> Sund. -----	5	330
<i>Fidia viticida</i> Walsh -----	3	79
	5	302
	6	375
<i>Fiorinia theae</i> Green -----	9	580
<i>Forficula auricularia</i> L. -----	1	7
	3	65
	4	116-117
	6	351, 356
	7	419, 425
<i>Formica fusca</i> L. -----	5	348
<i>Formica truncicola integra</i> Nyl. -----	8	524
<i>Formicidae</i>	2	57
	4	176
	5	347
	6	416-417
	7	479-480
	8	524
	9	586
<i>Frankliniella cephalica</i> (Crawf.) -----	3	95
	4	167
<i>Frankliniella fusca</i> (Hinds) -----	4	157
	5	316
	6	379
	8	498
<i>Frankliniella moultoni</i> Hood -----	3	81
	8	516
	9	564, 582
<i>Frankliniella</i> spp. -----	8	498, 516
<i>Frankliniella tritici</i> (Fitch) -----	1	10
	3	92
	4	132
	6	373
	8	498, 516
	9	580
<i>Galerucella xanthomelaena</i> (Schr.) -----	1	16
	4	162
	5	329
	6	400-401
	7	421, 465-466
	8	485, 510
<i>Gargaphia solani</i> Heid. -----	6	389
<i>Gasterophilus haemorrhoidalis</i> (L.) -----	4	175
	5	346
	6	416
<i>Gasterophilus intestinalis</i> (Deg.) -----	8	523
<i>Gasterophilus nasalis</i> (L.) -----	4	175
	8	523

Gasterophilus spp. -----	4	175
	8	523
Geometridae -----	2	49
	3	61, 88-89
	4	113, 158-159
	5	323
Geraeus penicellus (Hbst.) -----	7	434
Glyptoscelis squamulata Crotch -----	3	79
Gnathocerus cornutus (F.) -----	4	177
Gnorimoschema lycopersicella (Busck)		
See Keiferia lycopersicella (Busck).		
Gnorimoschema operculella (Zell.) -----	5	273, 316
	6	352, 381
	8	499
	9	546, 563
Gossyparia spuria (Mod.) -----	1	17
	4	162
	5	330-331
	6	401
	7	466
	8	511
	9	574
Gracilaria azaleella Brants -----	1	19
	9	580
Gracilaria sp. -----	5	328
Grapholitha molesta (Busck) -----	2	40
	3	76
	4	137
	5	274, 298
	6	371-372
	7	420, 441
	8	494, 495
	9	557-558
	10	633
Grapholitha packardi Zell. -----	5	300
Grapholitha prunivora (Walsh) -----	9	558
Graphops pubescens (Melsh.) -----	5	315
	6	390
Gryllidae -----	2	44
	3	88
	8	524-525
Gryllotalpa hexadactyla Perty -----	3	81
	7	448
Gryllus assimilis F. -----	1	14, 23
	3	101
	4	144
	6	391, 417
	8	525
	9	586
Gryllus domesticus L. -----	7	480
Gryllus sp. -----	8	524
Gynaikothrips uzeli (Zimm.) -----	4	167

Hadrotettix speciosus Scudd. -----	4 (Sup.)	196,251
Hadrotettix trifasciatus Say -----	4 (Sup.)	196,211,221
		224,228,235,239
		243,251,255,267
Haemaphysalis leporis-palustris Pack. -----	3	99
Haematobia irritans L. -----	2	55
	4	174
	5	345
	6	415
	7	478
	8	522
	9	585
Haematopinus adventicius Neum. -----	9	586
Haematopinus asini (L.) -----	2	56
Haematopinus eurysternus Nitz. -----	3	98
	6	415
	8	522
Haematopinus suis (L.)		
See Haematopinus adventicius Neum.		
Halisidota caryae (Harr.) -----	7	462
Halisidota harrisi Walsh -----	7	470
Halticinae -----	2	44
	3	81
	4	143-144
	5	304
	6	407
Halticus bracteatus (Say) -----	9	583
Halticus citri (Ashm.) -----	3	86
	5	291
	8	500
Hamadryas antiopa (L.) -----	4	161-162
	7	462
	8	516
Harmolita grandis (Riley) -----	5	286
Harmolita tritici (Fitch) -----	5	286
	7	419,430
	8	485,489
Harmolita vaginicola (Doane) -----	8	489
Harrisina americana (Guer.) -----	6	375
Heliothis armigera (Hbn.) -----	1	19
	3	85,87
	4	112,126
	5	272,288-289
		307,320
	6	351,352,362-363
		381,394-395
	7	420,454-455
		457-458
	8	485,499,505
	9	545,553,561
	10	638-639

Heliothis obsoleta (F.)

See Heliothis armigera (Hbn.).

<i>Heliothis virescens</i> (F.) -----	4	154
	6	395
<i>Hellula undalis</i> (F.) -----	2	46
	4	149
	9	566
<i>Hemerocampa definita</i> Pack. -----	7	471
<i>Hemerocampa pseudotsugata</i> McD. -----	10	645
<i>Hercothrips fasciatus</i> Perg. -----	6	385
<i>Hercinothrips femoralis</i> (Reut.) -----	5	305
<i>Hesperotettix speciosus</i> (Scudd.) -----	4 (Sup.)	196, 199, 208, 211 213, 221, 228, 230 243, 251, 253, 255, 257
<i>Hesperotettix viridis</i> Thos. -----	4 (Sup.)	196, 205, 208 211, 215, 218, 221 224, 228, 235, 239, 243 251, 255, 259, 261, 264 267
<i>Hippelates</i> spp. -----	5	344
	6	413
	7	476
	8	520
<i>Hippiscus rugosus</i> (Scudd.) -----	4 (Sup.)	193-194, 196, 205 206, 208, 211, 221 228, 243, 251, 256
<i>Hippodamia convergens</i> Guer. -----	4	150
<i>Homalopalia dalera</i> Dyar -----	6	377
<i>Horistonotus uhleri</i> Horn -----	6	358
	7	425
<i>Horistonotus</i> sp. -----	7	425
<i>Hyalopterus arundinis</i> (F.) -----	4	139
<i>Hylastinus obscurus</i> (Marsham) -----	4	130
	6	367
<i>Hylemya antiqua</i> (Meig.) -----	4	152
	5	314
	6	389
<i>Hylemya brassicae</i> (Bouche) -----	4	149
	5	274, 310
	6	389
<i>Hylemya cilicrura</i> (Rond.) -----	1	6, 14
	2	44
	5	304-305
<i>Hylemya</i> sp. -----	1	11
<i>Hylobius radialis</i> Buch. -----	4	165
	6	405
	9	577
<i>Hylotrupes bajulus</i> L. -----	2	59
<i>Hylurgopinus rufipes</i> (Eich.) -----	4	162
	5	329
<i>Hymenia fascialis</i> (Cram.) -----	8	503
	9	546, 566
<i>Hypera brunneipennis</i> (Boh.) -----	3	61, 67



Hypera postica (Gyll.) -----	1	8
	3	61,67
	4	129
	5	291
	6	365-366
	7	434
	8	491
	8 (Sup.)	539-543
	9	554
	10	629
Hypera punctata (F.) -----	3	68
	4	129
Hypera sp. -----	1	7
Hypermallus villosus (F.) -----	7	439
	8	507
	9	576
Hyphantria cunea (Drury) -----	4	160
	5	325
	6	353,397
	7	421,461-462
	8	485,508
	9	546,571
Hyphantria textor Harr. -----	5	325
	8	508
Hyphantria spp. -----	8	507-508
Hypochlora alba Dodge -----	4 (Sup.)	196,205,211,228
		239,243,251,267
Hypoderma bovis (Deg.) -----	4	174
	5	345
Hypoderma lineatum (DeVill.) -----	2	55
Hypoderma spp. -----	2	55
	3	98
	6	415
Hypsopygia costalis (F.) -----	7	435
Hysteroneura setariae (Thos.) -----	4	139
	6	374
Icerya purchasi Mask. -----	2	42
	3	79,92
	4	142
	5	303
	6	408
	7	472
Ichthyura inclusa Hbn. -----	8	514
Inareolata punctoria Roman -----	8 (Sup.)	530,532,534
Ips avulsus (Eich.) -----	2	50
Ips calligraphus (Germ.) -----	2	50
	7	468
Ips grandicollis (Eich.) -----	8	514
Ips oregoni (Eich.) -----	10	644
Ips ponderosae Sw. -----	10	644

<i>Iridomyrmex humilis</i> Mayr -----	2	57
	3	100
	4	176
	5	347
	6	417
	7	479
	8	524
	9	586
<i>Isoptera</i> -----	2	56-57
	3	99-100
	4	177
	7	479
	9	555
<i>Ithyrcerus noveboracensis</i> (Forst.) -----	5	295
<i>Ixodes ricinus scapularis</i> Say -----	3	99
<i>Keiferia lycopersicella</i> (Busck) -----	1	11
	3	81-82
	4	144-145
	6	382
	7	447
	9	563
	10	636
<i>Kermes pubescens</i> Bogue -----	5	333
<i>Labopidea allii</i> Knight -----	4	151
<i>Labops hirtus</i> Knight -----	4	124
<i>Labrorychus prismaticus</i> Nort. -----	8 (Sup.)	529, 530, 534
<i>Lachnus sabinæ</i> Gill. -----	3	94
<i>Lachnus</i> sp. -----	3	91
<i>Lachnus thujafilina</i> (Del G.) -----	1	18
	2	51
<i>Languria</i> sp. -----	9	549
<i>Lapara bombycoides</i> Walk. -----	7	469
<i>Laphygma exempta</i> Walk. -----	10	648
<i>Laphygma exigua</i> (Hbn.) -----	5	322
<i>Laphygma frugiperda</i> (A. & S.) -----	3	85
	4	125
	5	289
	6	351, 365
	7	419, 428-429
	8	485, 488
	9	545, 550, 553
<i>Lasioderma serricorne</i> (F.) -----	1	23
<i>Lasioptera clavula</i> Beutm.		
<u>See</u> <i>Mycodiplosis alternata</i> Felt.		
<i>Lasioptera querciperda</i> Felt -----	4	165
<i>Lasius interjectus</i> Mayr -----	1	22
	2	57
	4	176
	5	348

<i>Lasius niger alienus americanus</i> Emery -----	1	22
<i>Laspeyresia caryana</i> (Fitch) -----	2	41
	8	497
<i>Latrodectus mactans</i> (F.) -----	2	54
	9	585
	10	648
<i>Lecanium corni</i> Bouche -----	4	132, 171
	5	325, 338
<i>Lecanium fletcheri</i> Ckll. -----	6	412
	9	580
<i>Lecanium nigrofasciatum</i> Perg. -----	4	139
<i>Lema lecontei</i> Clark -----	6	418
<i>Lepidoptera</i> -----	7	422
<i>Lepidosaphes beckii</i> (Newm.) -----	1	10
<i>Lepidosaphes camelliae</i> Hoke -----	1	19
<i>Lepidosaphes ficus</i> (Sign.) -----	2	43
	3	80
<i>Lepidosaphes ulmi</i> (L.) -----	1	16
	3	71
	4	167
	5	326
	6	399
	7	463
	9	579
<i>Leprus</i> sp. -----	4 (Sup.)	255
<i>Leptinotarsa decemlineata</i> (Say) -----	2	44
	3	81
	4	145
	5	305-306
	6	380
	7	446
	9	563
<i>Leptoconops kerteszi americanus</i> Carter -----	5	347
<i>Leptocoris trivittatus</i> (Say) -----	1	21
	2	58
	3	101
	4	161
	5	328, 341
	6	371
	7	464
	8	510
	9	573-574
<i>Leptoglossus phyllopus</i> (L.) -----	4	171
	5	301
	8	497
	9	560
<i>Leptoypha minor</i> McA. -----	5	327
<i>Leucaspis japonica</i> Ckll. -----	1	18
<i>Leucocnemis</i> sp. -----	3	90
<i>Ligyris gibbosus</i> (Deg.) -----	3	81
	5	304
	6	378
	8	497

Limenius agonus (Say) -----	6	358
Limenius californicus (Mann.) -----	1	7
	3	64
	4	118-119
	5	280
	6	359
	8	487
	9	549
Limenius canus Lec. -----	3	64
	4	119
	6	359
Limenius ectypus (Say) -----	4	118
Limenius infuscatus Mots. -----	3	64
Limenius sp. -----	4	118
Limenius subauratus Lec. -----	3	64
Limothrips cerealium Haliday -----	8	521
Linognathus setosus (Olfers) -----	3	99
Linognathus sp. -----	2	56
Linognathus vituli L. -----	5	345
	6	416
Liothrips vaneeckei Priesn. -----	1	20
Liponyssus bacoti (Hirst) -----	3	97
	4	173
	5	345
Listroderes obliquus Klug -----	2	43
	3	80
	4	143
	5	304
	8	497
Lithocolletis cincinnatiella Chamb. -----	5	333-334
Lithocolletis hamadryella Clem. -----	6	404
Lixus concavus Say -----	7	454
Longitarsus waterhousei Kutsch. -----	6	391
Lopidea davisi Knight -----	4	170
Loxostege similalis (Guen.) -----	7	434-435
Loxostege sticticalis (L.) -----	4	153
	5	274, 282
	6	351, 359
	7	429
	8	503
	10	635-636
Ludius aeripennis (Kby.) -----	4	118
	5	280
	9	549
Ludius sp. -----	4	118
Luperodes brunneus Crotch -----	6	365
Luperodes sp., near brunneus Crotch -----	6	410
Lycia ursaria Walk. -----	4	160
Lyctus parallelopipedus (Melsh.) -----	7	481
Lyctus cavicolis Lec. -----	3	102
Lyctus planicollis Lec. -----	1	23
	3	101-102
	7	481

Lyctus spp. -----	2	58
	3	101-102
	7	481
Lydella griseus R.D. -----	8 (Sup.)	528, 530-532, 534
Lydella sp. -----	8 (Sup.)	528
Lydella stabulans griseus R.D. -----	8 (Sup.)	531, 534
Lygaeonematus erichsonii (Htg.) -----	5	331
	6	402
	7	422, 466
	9	574
Lygus elisus Van D. -----	3	70
	9	554
Lygus elisus hesperus Knight -----	3	69-70
	9	554
Lygus pratensis (L.)		
See Lygus pratensis oblineatus (Say).		
Lygus pratensis oblineatus (Say) -----	1	15
	2	40, 48
	3	69, 70
	5	274, 313
Lygus spp.	9	554
Lyonetia latistrigella Wlsm. -----	4	170
Lysiphlebus testaceipes (Cress.) -----	7	433
Lytta stygica (Lec.) -----	7	428
Macrobasis segmentata (Say) -----	5	281
Macrobasis unicolor (Kby.) -----	5	280-281
	6	379
	7	427, 428
Macrocentrus gifuensis Ashm. -----	8 (Sup.)	530, 533, 534
Macrocentrus robustus Mues. -----	8 (Sup.)	534
Macroductylus subspinosus (F.) -----	5	271, 274, 279-280
Macronoctua onusta Grote -----	7	474
	8	519
Macropsis trimaculata (Fitch) -----	7	437
Macrosiphoniella sanborni (Gill.) -----	2	51, 53
	3	93
Macrosiphum granarium (Kby.) -----	5	286
Macrosiphum lilii (Monell) -----	9	582
Macrosiphum pisi (Kltb.) -----	3	61, 68-69
	4	112, 128-129, 148
	5	291, 309-310
	6	352, 366, 385-386
	7	435
Macrosiphum rosae (L.) -----	1	20
	2	53
	3	96
	4	171
	5	342-343
	6	411
	7	475
	9	583



Macrosiphum rudbeckiae (Fitch) -----	7	471
Macrosiphum solanifolii (Ashm.) -----	1	11
	2	45
	4	146
	5	307
	6	382, 411
	7	445
Macrosteles divisus (Uhl.) -----	5	314
	6	352, 383
	7	454
Magdalis armicollis (Say) -----	8	511
Magdalis septendecim (L.) -----	5	326-327
	6	399
	10	641
Malacosoma americana (F.) -----	1	9
	2	38
	3	72-73, 89
	4	134
	10	633
Malacosoma californica (Pack.) -----	4	134
Malacosoma constricta (Stretch) -----	6	396
Malacosoma disstria Hbn. -----	3	72, 89
	4	159
	5	273, 324-325
	6	396
	7	422, 461
Malacosoma fragilis (Stretch) -----	4	159
	5	324
	6	353, 397
	10	645-646
Malacosoma pluvialis (Dyar) -----	3	89
	4	132, 159
	5	292, 325
	6	353, 396
Malacosoma spp. -----	3	61, 89
	4	112, 132, 159-160
	6	396
Mansonella perturbans (Walk.) -----	9	584
Marmara sp. -----	3	91
Matsucoccus sp. -----	1	17
Melanocallis caryaefoliae (Davis) -----	3	79
	7	444
	8	497
	9	560
Melanophila fulvoguttata Harr. -----	4	163
Melanophila fulvoguttata drummondi Kby. -----	4	160
Melanoplus angustipennis (Dodge) -----	4 (Sup.)	196, 199, 205
		211, 215, 218, 219, 224
		228, 235, 239, 241, 251
		259, 264, 265, 267, 269
Melanoplus angustipennis impiger Scudd. -----	4 (Sup.)	243, 245, 246, 255
Melanoplus arizonae Scudd. -----	4 (Sup.)	235, 243, 255

Melanoplus bispinosus Scudd. -----	4 (Sup.)	243, 255
Melanoplus bivittatus (Say) -----	1	7
	3	62
	4	114-115
	4 (Sup.)	189, 195-270
	5	276-277
	7	423, 424
	10	627
Melanoplus bowditchi Scudd. -----	4 (Sup.)	197, 211, 228
		230, 235, 243
Melanoplus bowditchi bowditchi Scudd. -----	4 (Sup.)	267
Melanoplus bowditchi canus Hebard -----	4 (Sup.)	224, 267
Melanoplus cinereus Scudd. -----	4 (Sup.)	248, 249
Melanoplus confusus Scudd. -----	4	115
	4 (Sup.)	197, 215, 221, 224
		228, 239, 251, 264, 267
	5	276
Melanoplus dawsoni Scudd. -----	4 (Sup.)	197, 215, 218, 219
		224, 239, 241, 251, 264, 267
Melanoplus devastator Scudd. -----	3	61, 62
	4 (Sup.)	202, 203
		231-233, 248, 249
Melanoplus differentialis (Thos.) -----	1	7
	3	62
	4	114-115
	4 (Sup.)	180, 188, 191-200
		204-246, 250-261
		264, 267
	5	276-277
	7	423, 424
	9	547
	10	627
Melanoplus femur-rubrum (Deg.) -----	1	7
	4	115, 116
	4 (Sup.)	189, 192-243, 248
		251-255, 258-270
	6	354
	7	423, 424
Melanoplus flavidus Scudd. -----	4 (Sup.)	228, 243
Melanoplus flavidus flavidus Scudd. -----	4 (Sup.)	211, 215, 218
		239, 255, 264
Melanoplus foedus Scudd. -----	4 (Sup.)	189
Melanoplus foedus fluviatilis Brun. -----	4 (Sup.)	211, 228, 243
		251, 264, 268
Melanoplus foedus foedus Scudd. -----	4 (Sup.)	197, 199, 202
		203, 211, 224, 229, 230
		235, 237, 243, 247, 248
		249, 251, 255, 268, 269
Melanoplus foedus iselyi Hebard -----	4 (Sup.)	211, 244, 245, 255
Melanoplus gladstoni Scudd. -----	4 (Sup.)	197, 218, 224
		229, 235, 237, 239, 268
Melanoplus glaucipes Scudd. -----	4 (Sup.)	244, 255
Melanoplus infantilis Scudd. -----	4 (Sup.)	197, 218, 223, 224, 226
		229, 235, 239, 251, 268

Melanoplus keeleri luridus (Dodge) -----	4 (Sup.)	208, 209, 211, 218 259, 261, 264, 265, 268
Melanoplus lakinus Scudd. -----	4 (Sup.)	195, 197, 199, 200 212, 229, 236, 237, 244 252, 256, 257, 259, 263
Melanoplus mexicanus Sauss. -----	1 3 4 4 (Sup.) 5 6 7 8 9 10	7 61, 62-63 114-116 179-270 275-277 355 423, 424 486 547 627
Melanoplus occidentalis (Thos.) -----	4 (Sup.)	197, 200, 212 225, 229, 236, 239 252, 256, 259, 268
Melanoplus packardii Scudd. -----	4 (Sup.)	189, 197-200, 208 212-213, 218, 221, 223-246 252-262, 268-269 423, 424
Melanoplus pictus Scudd. -----	4 (Sup.)	236
Melanoplus ponderosus Scudd. -----	4 (Sup.)	244, 245, 256
Melanoplus regalis Dodge -----	4 (Sup.)	197, 212, 229, 236, 244
Melanoplus scudderi (Uhler) -----	4 (Sup.)	252
Melanoplus scudderi scudderi (Uhler) -----	4 (Sup.)	197, 208, 221
Melanoplus sp. -----	4 (Sup.)	232 423
Melanoplus yarrowii Thos. -----	4 (Sup.)	259
Melanotus spp. -----	1 3 4 4 (Sup.) 5 8 9	7 64 115 232 280 515 579
Melanoxantherium smithiae (Monell) -----	6	407
Meligethes mutatus Harold -----	6	388
Melittia satyriniformis Hbn. -----	7 8	451 501
Meloidae -----	4 5 6 7	144 271, 280-281 352, 378-379 419, 421, 427-428
Melophagus ovinus (L.) -----	4	175
Menopon pallidum Nitz. -----	1	22
Mermiria maculipennis Rehn -----	4 (Sup.)	197, 212, 229, 230 236, 244, 245, 256 257, 259, 261, 268
Mermiria maculipennis macclungi Rehn -----	4 (Sup.)	197, 205, 208 225, 240, 252, 253



Mermiria neomexicana (Thos.) -----	4 (Sup.)	212, 229, 244
Meromyza americana Fitch -----	6	360
Mestobregma plattei Thos. -----	4 (Sup.)	236
Mestobregma plattei plattei Thos. -----	4 (Sup.)	229, 252, 256
Mestobregma sp. -----	4 (Sup.)	197
Metator pardalinus Sauss. -----	4 (Sup.)	197, 212, 225, 229, 236
		240, 252, 259, 261, 268
Metoponium abnorme Lec. -----	3	80
Metzneria lappella L. -----	2	59
Microbracon mellitor (Say) -----	9	568
Micromyzus formosanus Takahashi -----	4	151
Microplectron fuscipennis Zett. -----	9	577
Mineola indigenella (Zell.) -----	1	9
	4	139
	6	370
	7	475
	8	493
	9	581
Miridae -----	1	11
Miris dolobratus (L.) -----	4	130
Mocis repanda F. -----	9	549
Monarthropalpus buxi Laboulb. -----	3	92-93
	4	168
	5	339
Monecphora bicincta (Say) -----	7	436
Monellia costalis (Fitch) -----	3	79
Monocesta coryli (Say) -----	1	16
	4	162
Monochamus notatus (Drury) -----	8	514
Monochamus spp. -----	8	514
Monochamus titillator (F.) -----	8	514
Monocrepidius auritus (Hbst.) -----	5	280
Monocrepidius spp. -----	4	118
Monomorium minimum (Buckl.) -----	2	57
	5	347
	6	417
	8	524
Monomorium pharaonis (L.) -----	1	23
	2	57
	7	479
	8	524
	9	586
Monophadnoides rubi (Harr.) -----	5	301
Monophadnus caryae Nort. -----	9	560
Monoptilota pergratialis (Hulst) -----	6	385
Mordwilkoja vagabunda (Walsh) -----	6	406
	7	470
Murgantia histrionica (Hahn) -----	1	12
	3	83-84
	4	149
	5	311
	6	386-387

Murgantia histrionica (Hahn) (Cont'd.) -----	7	420,450
	8	501
	9	565
Mycetophagus flexuosus Say -----	1	24
Mycodiplosis alternata Felt -----	2	52
Mycophila sp. -----	9	567
Myochrous denticollis (Say) -----	4	128
Myodocha serripes Oliv. -----	4	153
Myzocallis asclepiadis (Monell) -----	6	418
Myzocallis bella (Walsh) -----	6	404
	9	576
Myzocallis kahawaluokalani Kirk. -----	8	517
Myzocallis tiliae (L.) -----	7	466
	9	575
Myzus cerasi (F.) -----	3	77
	4	138-139
	5	299-300
	6	373
Myzus persicae (Sulz.) -----	1	12
	2	46,51,53
	5	299
Myzus sp. -----	3	95
	4	167
Nacerda melanura (L.) -----	3	102
	5	348
	6	417-418
	8	525
Naupactus leucoloma Boh.		
See Pantomorus leucoloma.		
Naupactus n. sp. -----	4	111,120
	8	487
Neoborus illitus Van D. -----	4	161
Neoclytus caprea (Say) -----	3	90
	8	509
Neodiprion dyari Rohw. -----	5	334
Neodiprion lecontei (Fitch) -----	5	334,335
	7	469
	8	514
	9	576
Neodiprion pinetum (Nort.) -----	9	576
Neodiprion pini-rigidae (Nort.) -----	9	576
Neodiprion sertifer (Geoff.) -----	5	334
	3	90
	6	405
Neodiprion spp. -----	5	334-335,336
	9	576
Neolecanium cornuparvum (Thro) -----	3	94
	6	410
	7	475
	9	582
Nephelodes emmedonia Gram. -----	4	120

Neuroterus favosus Bass. -----	6	404
Neuroterus umbilicatus Bass. -----	6	404
	8	513
Nezara viridula (L.) -----	4	154
	6	379
	7	446
	8	500
	9	562
Noctuidae -----	3	64-65
	4	111, 120-121
	5	281-282
	9	549
Nodonota clypealis Horn -----	5	339
Nodonota puncticollis Say -----	4	171
	5	292
	8	515
Nysius ericae (Schill.) -----	4	144
	5	305
	6	379
	7	446
	8	498
Nygma phaeorrhoea (Donov.) -----	2	49
	8	509
	10	642
Nymphula gyralis Hulst -----	7	475
Oberea bimaculata (Oliv.) -----	2	41
	5	301
	8	495
Oberea tripunctata (Swed.) -----	5	301
	9	582
Ochrosidia borealis (Arrow) -----	9	548
Odonaspis ruthae Kot. -----	1	8
Oecanthus nigricornis Walk. -----	1	9
Oedaleonotus enigma (Scudd.) -----	3	61
	4	116
	4 (Sup.)	189, 202-203, 232 233, 248-249, 259
Oestris ovis L. -----	4	175
Olene atomaria Walk. -----	4	165
Olene sp. -----	4	164-165
Oligotrophus salicifolius Felt -----	5	337
Omiodes accepta Butl. -----	10	648
Oncideres cingulatus (Say) -----	8	497
Oniscidae -----	1	13
Opeia obscura Thos. -----	4 (Sup.)	197, 212, 218, 225 229, 236, 237, 240, 244 252, 258, 259, 261, 268
Opistheuria clandestina Van D. -----	8	500
Opius striativentris Gahan -----	4	169
Ormenis pruinosa (Say) -----	7	471
Ornithodoros megnini Duges -----	6	416
	9	584-585

Ornix geminatella Pack. -----	4	135
Orphulella pelidna (Burm.) -----	4 (Sup.)	197, 212, 218, 221 225, 229, 236, 252 256, 259, 264, 268
Orphulella sp. -----	4 (Sup.)	221, 222
Orphulella speciosa (Scudd.) -----	4 (Sup.)	193 197, 205, 206, 208, 209 212, 215, 218, 229, 240 244, 252, 256, 257, 264
Orthaea bilobata (Say) -----	3	85
Orthaea sp. -----	3	85
Oryzaephilus surinamensis (L.) -----	1	23
Oxya chinensis Thun. -----	10	648
Pachylobius picivorus Germ. -----	4	165
Pachylobius sp. -----	1	7
Pachypsylla celtidis-gemma Riley -----	4	163
Pachypsylla celtidis-mamma Riley -----	8	518
Paleacrita vernata (Peck) -----	1	6, 15
	2	49
	4	158
	5	323
	6	397
Pamera longulus Dall. ....		
See Paromius longulus (Dall.).		
Pangaeus bilineatus (Say) -----	5	322
	7	455
Pantomorus godmani (Crotch) -----	2	40
	6	352, 391, 407
	9	545, 548
Pantomorus leucoloma (Boh.) -----	4	111, 120
	8	485, 487
Pantomorus peregrinus Buch. -----	8	487
Panzeria penitalis Coq. -----	8 (Sup.)	528, 534
Papaipema nebris nitela (Guen.) -----	6	364
	7	429
Papaipema purpurifascia (G. & R.) -----	7	473
Paraclemensia acerifoliella (Fitch) -----	8	513
Paraidemona mimica Scudd. -----	4 (Sup.)	256
Paralechia pinifoliella Chamb. -----	4	166
Paranthrene polistiformis Harr. -----	3	79
Paratetranychus bicolor Banks -----	8	513
Paratetranychus citri McG. -----	2	42
	9 (Sup.)	589-590
Paratetranychus ilicis McG. -----	4	168
	9 (Sup.)	589, 590-591
	5	338
	6	404
Paratetranychus pilosus (C. & F.) -----	3	75
	4	137
	7	437-438
	9 (Sup.)	589, 591-593



Paratetranychus pacificus McG.

See Tetranychus pacificus.

Paratetranychus sp. -----	1	20
Paratetranychus uniunguis Jacobi -----	3	91
	4	166
	5	336
	6	406
	7	470
Paratetranychus yothersi McG. -----	9	581
Paratrechina longicornis (Latr.) -----	3	100
Paratrionia cockerelli (Sulc) -----	1	11-12
	2	45
	4	146, 170
	5	308
	6	383
	7	447
	9	564
Parcoblatta pennsylvanica (Deg.) -----	5	349
Pardalophora haldemanii (Scudd.) -----	4 (Sup.)	208, 212, 221, 240
		244, 252
	5	277
Pardalophora phoenicoptera (Burm.) -----	4 (Sup.)	221
Parlatoria oleae Colv. -----	2	53
Paromius longulus (Dall.) -----	1	14
	3	85
Peropomala wyomingensis Thos. -----	4 (Sup.)	197, 268
Paurocephala ilicis (Ashm.) -----	2	52
Pectinophora gossypiella (Saund.) -----	1	6, 15
	2	48
	3	87
	4	156
	5	320
	6	395
	7	420, 459
	8	506
	9	569
Pegomya hyoscyami (Panz.) -----	5	315
	6	390
Pegomya rubivora (Coq.) -----	4	140
Pelamia latipes Guen. -----	9	555
Pelidnota punctata (L.) -----	6	376
Pemphigus betae (Doane) -----	1	14
	9	567
Peranabrus scabricollis (Thos.) -----	4	116
Peregrinus maidis (Ashm.) -----	4	131
	7	433
	8	490
Pergandeidia trirhoda Walk. -----	5	340
	7	473
	9	581



Periphyllus lyropictus (Kess.) -----	1	17
	7	467
	8	513
	9	575
Periphyllus negundinis (Thos.) -----	5	328
Periphyllus populicola (Thos.) -----	8	510
Periplaneta australasiae (F.) -----	7	480
Perkinsiella saccharicida Kirk. -----	10	648
Petrova comstockiana (Fern.) -----	5	334
	6	405
	9	577
Phasmidae -----	4	165
	9	546, 572
Philaenus leucophthalmus (L.) -----	5	283
Phlibostroma quadrimaculatum Thos. -----	4 (Sup.)	197, 212, 213, 225
		229, 236, 237, 240, 244
		245, 252, 256, 268, 269
Phloesinus dentatus (Say) -----	7	474
Phlyctaenia rubigalis (Guen.) -----	7	453
Phoetalioteles nebrascensis (Thos.) -----	4 (Sup.)	197, 199, 202, 208, 212
		218, 225, 229, 232, 236
		240, 248, 252, 256, 259
		264, 268
Pholus satellitia pandorus Hbn. -----	7	462
Phormia sp. -----	2	55
Phorodon humuli (Schr.) -----	4	151
Phyllaphis fagi (L.) -----	5	327
Phthirus pubis (L.) -----	9	584
Phyllobius oblongus L. -----	5	292
Phyllocoptes minutissimus Hods. -----	6	404
Phyllocoptes oleivorus Ashm. -----	1	10
	2	42
	3	80
	9	560
Phyllocoptes quadripes Shim. -----	4	164
Phyllophaga anxia Lec. -----	3 (Sup.)	105
Phyllophaga balia (Say) -----	3 (Sup.)	105-107
Phyllophaga calceata Lec. -----	4	117
Phyllophaga crenulata (Froel.) -----	3 (Sup.)	105
Phyllophaga drakei Kby. -----	3 (Sup.)	105
Phyllophaga ephilida (Say) -----	6	356
Phyllophaga fervida (F.) -----	4	117
	6	356
Phyllophaga forsteri Burm. -----	3 (Sup.)	105
Phyllophaga fusca (Froel.) -----	3 (Sup.)	104-109
	6	356
Phyllophaga futilis Lec. -----	3 (Sup.)	105
Phyllophaga hirticula (Knoch) -----	3 (Sup.)	104-109
	4	117
	6	356
Phyllophaga ilicis (Knoch) -----	3 (Sup.)	105-108
Phyllophaga implicita Horn -----	3 (Sup.)	105

Phyllophaga inversa Horn -----	3 (Sup.)	105
	4	117
Phyllophaga lanceolata (Say) -----	3	66
	4	125
	5	278
Phyllophaga marginalis Lec. -----	3 (Sup.)	105
Phyllophaga nitida (Lec.) -----	3 (Sup.)	105
Phyllophaga prunina Lec. -----	3 (Sup.)	104-106
Phyllophaga quercus (Knoch) -----	6	356
Phyllophaga rugosa (Melsh.) -----	3 (Sup.)	104-109
	6	356
Phyllophaga spp. -----	1 (Sup.)	25
	3 (Sup.)	105
	4	111, 117-118
	5	278
	6	351, 356
	7	425
	9	548
Phyllophaga spreta Horn -----	3 (Sup.)	105
Phyllophaga tristis (F.) -----	3 (Sup.)	104-107
Phyllophaga villifrons Lec. -----	3 (Sup.)	105
Phyllotreta aerea Allard -----	7	445
Phyllotreta albionica (Lec.) -----	5	274
Phyllotreta pusilla Horn -----	4	143
	5	304
Phyllotreta sinuata (Steph.) -----	5	304
Phyllotreta spp. -----	7	422, 445
Phyllotreta vittata (F.) -----	4	143
	5	304
	7	445
Phyllotreta vittata discedens Weise -----	9	566
Phyllotreta zimmermani (Crotch) -----	7	445
Phylloxera caryaecaulis Fitch -----	4	142
	5	331
	7	466
	8	512
	9	574
Phylloxera devastatrix Perg. -----	4	141
	6	376
Phylloxera spp. -----	4	141-142
Phylloxera vitifoliae Fitch -----	6	375
	8	496
Physostegania pustularia Guen. -----	5	323
Phytomyza ilicis Curt. -----	1	19
	2	52
	3	93
	4	169
Phytomyza minuscula Gour. -----	5	340
	6	409
	7	473
	8	517

Phytophaga destructor (Say) -----	3	66
	4	112, 122-123
	5	271, 284
	6	359
	7	419, 430
	7 (Sup.)	483-484
	8	489
	9	552
	10	629
Phytophaga rigidae O.S. -----	2	53
Phytophaga sp. -----	5	336
Pieris rapae (L.) -----	2	45
	3	83
	7	450
Pineus pinifoliae (Fitch) -----	8	514
	9	578
Pineus strobi (Htg.) -----	5	335
	7	469-470
	8	514
	9	577
Pinnaspis aspidistrae (Sign.) -----	1	19
	7	473
	8	518
Pissodes nemorensis Germ. -----	2	52
Pissodes sp. -----	1	7
Pissodes strobi (Peck) -----	5	334
	6	405
	7	468
Pityophthorus confinis Lec. -----	4	165
Plagiodera versicolora (Laich.) -----	6	407
	5	337
	8	515
Plathypena scabra (F.) -----	1	7
	9	555
Platycotis vittata F. -----	9	573
Platypsylla castoris Rits. -----	5	347
Plutella maculipennis (Curt.) -----	1	6, 12
	2	45
	3	83
	4	148
	8	501
Pnigodes setosus Lec. -----	4	152
Podosesia syringae (Harr.) -----	3	94
	4	169
	5	341
	6	410
	7	475
Pogonomyrmex barbatus (F. Smith) -----	3	70
	5	348
	8	524
	9	586

Pogonomymex barbatus var. near		
molefaciens Buckley -----	7	480
Pogonomymex occidentalis (Cress.) -----	4	176
	5	348
	6	417
Pogonomymex spp. -----	3	70
Polistes pallipes Lep. -----	2	57
Polycanon confertus Lec. -----	4	142
Polychrosis viteana (Clem.) -----	4	140
	5	302
	6	375
	7	443
	8	496
	9	559
Pomphopoea sayi (Lec.) -----	4	132
Popillia japonica Newm. -----	1 (Sup.)	25-28
	3	63-64
	4	111-119
	5	271, 273-279
	6	351, 357-358
	7	419, 425-426
	8	486
	9	547-548
	10	631-632
Porosagrotis orthogonia (Morr.)		
See Agrotis orthogonia.		
Porosagrotis sp. -----	5	282
Porthetria dispar (L.) -----	3	89
	4	160
	5	325
	6	398
	7	461
	8	509
	9	571-572
	10	642
Prenolepis imparis (Say) -----	2	57
	3	101
Prenolepis sp. -----	2	57
Prionus fissicornis Hald. -----	6	359
Prionus laticollis (Drury) -----	8	519
Prionoxystus robiniae (Peck) -----	1	17
	2	50
	6	399
	8	509
Priophorus acericaulis (MacG.) -----	5	332
Pristiphora geniculata Htg. -----	7	468
	8	513
Prociphilus fraxini-dipetelae Essig -----	4	160
Prociphilus tessellatus (Fitch) -----	6	403
Prodenia eridania Cram. -----	9	549
Prodenia litura (F.) -----	7	460
Prodenia ornithogalli Guen. -----	8	488



<i>Profenusa canadensis</i> (Marlatt) -----	5	300
<i>Prosenia siberita</i> F. -----	1 (Sup.)	26
<i>Proteides clarus</i> (Cram.) -----	2	35
<i>Proteoteras aesculana</i> Riley -----	9	575
<i>Protoparce quinquemaculata</i> (Haw.) -----	5	316
	6	332
	7	446
	8	504
	9	564
<i>Protoparce sexta</i> (Johan.) -----	4	154
	5	307, 316
	7	446
	8	499, 504
	9	564
<i>Protoparce</i> spp. -----	5	307, 316
	6	332
	7	420, 446-447
	8	499, 504
	9	564
<i>Protopulvinaria pyriformis</i> (Ckll.) -----	2	51
	3	80
<i>Psallus seriatus</i> (Reut.) -----	2	48
	3	87-88
	4	156
	5	321-322
	6	395
	7	420, 459-460
	9	569
	10	640
<i>Pseudaonidia duplex</i> (Ckll.) -----	4	168
<i>Pseudococcus boninsis</i> Kuw. -----	4	131
<i>Pseudococcus brevipes</i> (Ckll.) -----	6	408
<i>Pseudococcus citri</i> (Risso) -----	1	18
	9	564
<i>Pseudococcus comstocki</i> (Kuw.) -----	6	400
	7	465, 472
	9	545, 557
	10	634
<i>Pseudococcus cuspidatae</i> Rau -----	6	412
<i>Pseudococcus solani</i> Ckll. -----	7	448
<i>Pseudococcus</i> spp. -----	7	472
	8	494, 499
<i>Pseudohazis hera</i> Harr. -----	6	353, 418
<i>Pseudohazis</i> sp. -----	6	353
<i>Pseudopomala brachyptera</i> (Scudd.) -----	4 (Sup.)	218, 229
<i>Psila rosae</i> (F.) -----	6	388
<i>Psilocorsis faginella</i> Chamb. -----	9	572-573
<i>Psinidia fenestralis</i> (Serv.) -----	4 (Sup.)	218
<i>Psoloessa delicatula delicatula</i> Scudd. -----	4 (Sup.)	197
<i>Psoloessa</i> sp. -----	4 (Sup.)	236
<i>Psorophora ciliata</i> F. -----	8	519



<i>Psorophora columbiae</i> D. & K. -----	6	413
	7	476
	8	519, 520
<i>Psorosina hammondi</i> (Riley) -----	5	295
<i>Psylla pyricola</i> (Foerst.) -----	3	77
	5	300
	6	374
	8	485, 495
	10	633-634
<i>Pterocyclon mali</i> Fitch -----	4	160
<i>Pteronidea ribesii</i> (Scop.) -----	4	140
<i>Pterophorus periscelidactylus</i> (Fitch) -----	5	302
<i>Ptilonyssus</i> sp. -----	3	99
<i>Ptinus</i> spp. -----	3	101
<i>Ptinus tectus</i> Boield. -----	3	101
	8	525
<i>Ptychodes trilineatus</i> (L.) -----	6	377
<i>Pulex irritans</i> L. -----	3	96
<i>Pulvinaria acericola</i> Walsh & Riley -----	5	333
<i>Pulvinaria vitis</i> (L.) -----	4	164, 167
	5	332-333
	6	403
	7	467
<i>Pyrausta ainsliei</i> Heinr. -----	8 (Sup.)	534
<i>Pyrausta nubilalis</i> (Hbn.) -----	3	66-67
	4	126-127
	5	287-288
	6	351, 363-364
	7	419, 422, 432-433
	8	490
	8 (Sup.)	527-534, 535-538
	9	545, 553-554
	9 (Sup.)	603-618, 621-626
	10 (Sup.)	649-650
<i>Pyrausta penitalis</i> Grote -----	8 (Sup.)	534
<i>Recurvaria apictripunctella</i> Clem. -----	4	163
	6	400
<i>Reticulitermes flavipes</i> Koll. -----	1	22
	2	56-57
	3	99-100
	4	177
	5	347
	6	406
	7	479
	9	574
<i>Reticulitermes</i> spp. -----	1	22
<i>Reticulitermes tibialis</i> Banks -----	1	22
	3	100
	4	177

Reticulitermes tibialis Banks (Cont'd.) -----	5	314
	7	454
	8	511
Rhabdocnemis obscura Bdv. -----	10	648
Rhagoletis cingulata (Loew) -----	5	299
	6	373
	7	442
Rhagoletis fausta (O.S.) -----	5	299
Rhagoletis pomonella (Walsh) -----	5	296
	6	371
	7	440
	8	493
	9	557
Rhagoletis spp. -----	5	299
	6	373
Rhipicephalus sanguineus (Latr.) -----	1	22
	2	54
	6	414
	7	477
	8	521
	9	584
Rhizoglyphus hyacinthi Bdv. -----	1	18
	3	94
	8	518
	9	582
Rhizoglyphus phylloxerae Riley -----	4	154
Rhodites dichlocerus (Harr.) -----	5	343
Rhodites rosae (L.) -----	7	475
Rhodoaenus tredecimpunctatus (Ill.) -----	7	473
Rhopalosiphum melliferum Hottes -----	5	340
Rhopalosiphum nymphaeae (L.) -----	6	412
Rhopalosiphum prunifoliae (Fitch) -----	3	74 - 75
	4	135, 136, 137
	5	274, 296
	10	632
Rhopalosiphum pseudobrassiccae (Davis) -----	1	6, 13
	6	389
Rhopalosiphum sp. -----	3	88
Rhopobota naevana (Hbn.) -----	5	301
Rhyacionia buoliana (Schiff.) -----	3	90
	5	334
	6	405
Rhyacionia frustrana (Comst.) -----	6	404-405
	7	468-469
	9	577
Rhyacionia sp. -----	7	469
Rhynchaenus pallicornis (Say) -----	4	135
Rhynchites bicolor (F.) -----	5	342
Rhynchites velatus Lec. -----	6	418
Rodolia cardinalis (Muls.) -----	5	303
Romalea microptera (Beauv.) -----	3	62

<i>Saccharosydne saccharivora</i> Westw. -----	7	436
<i>Saissetia oleae</i> (Bern.) -----	5	303
	6	377
<i>Saperda candida</i> F. -----	8	493
<i>Saperda vestita</i> Say -----	5	332
<i>Sarcophaga kellyi</i> Ald. -----	5	275
	6	355
	7	424
<i>Scapteriscus acletus</i> R. & H. -----	1	11
	5	305
<i>Scapteriscus</i> spp. -----	1	11
	4	168
<i>Scapteriscus vicinus</i> Scudd. -----	3	81
<i>Scelio pembertoni</i> Timb. -----	10	648
<i>Schistocerca alutacea</i> (Harr.) -----	4 (Sup.)	205, 221, 229, 264
<i>Schistocerca americana</i> (Drury) -----	4 (Sup.)	193-194, 256
	6	355
<i>Schistocerca americana americana</i> (Drury)-----	4 (Sup.)	205, 206, 208
		212, 221, 222, 244
<i>Schistocerca lineata</i> Scudd. -----	4 (Sup.)	197, 208, 212, 221
		229, 232, 236, 244, 256
<i>Schistocerca obscura</i> (F.) -----	4 (Sup.)	244, 245, 256
	8	486
<i>Schistocerca shoshone</i> (Thos.) -----	4 (Sup.)	232, 244, 259, 261
<i>Schistocerca</i> sp. -----	4 (Sup.)	189, 218, 219
<i>Schizomyia coryloides</i> Walsh & Riley -----	7	443
<i>Schizura concinna</i> (A. & S.) -----	7	437
<i>Sciara inconstans</i> Fitch -----	1	20
<i>Scirtetica marmorata marmorata</i> Harr. -----	4 (Sup.)	215
<i>Scirtothrips citri</i> (Moult.) -----	4	142
	5	303
<i>Scobicia declivis</i> (Lec.) -----	4	177
<i>Scolothrips</i> sp. -----	5	340
<i>Scolytidae</i> -----	8	513-514
<i>Scolytus multistriatus</i> Marsham -----	5	329
	6	401
	8	511
	10	644-645
<i>Scolytus quadrispinosus</i> Say -----	5	331
<i>Scolytus rugulosus</i> Ratz. -----	4	131
	7	437
	8	492
	9	556
<i>Scutigera forceps</i> Raf. -----	2	58
<i>Scutigerella immaculata</i> (Newp.) -----	4	144
<i>Serica similis</i> Lewis -----	8	487
<i>Sericothrips variabilis</i> Beach -----	4	157
<i>Sesamia cretica</i> Led. -----	4	131
<i>Sibine stimulea</i> (Clem.) -----	8	516
<i>Silpha bituberosa</i> Lec. -----	5	315
<i>Simuliidae</i> -----	3	97
	4	175
	5	347



<i>Simulium bivittatum</i> Mall. -----	5	347
<i>Simulium</i> sp. -----	3	97
<i>Sipha flava</i> Forbes -----	4	130
	7	436
<i>Siphonaptera</i> -----	4	173
<i>Sitona cylindricollis</i> Fahraeus -----	5	274
<i>Sitona flavescens</i> Marsham -----	6	407
<i>Sitotroga cerealella</i> (Oliv.) -----	1	24
	9	587
<i>Solenopsis geminata</i> (F.) -----	4	176
	6	408
<i>Solenopsis molesta</i> (Say) -----	6	375-376
	7	479
<i>Solenopsis xyloni</i> (McCook) -----	3	100
	4	176
	5	347, 348
	6	417
	7	479
	8	524
<i>Spharagemon bolli</i> Scudd. -----	4 (Sup.)	256
<i>Spharagemon collare</i> (Scudd.) -----	4 (Sup.)	197, 205, 208, 212
		215, 216, 218, 225, 229
		232, 236, 240, 244, 252
		259, 261, 264, 265, 268
<i>Spharagemon cristatum cristatum</i> Scudd. -----	4 (Sup.)	256
<i>Spharagemon equale</i> Say -----	4 (Sup.)	197, 212, 218, 225
		229, 236, 240, 244
		252, 256, 260, 268
<i>Sphinx lineata</i> F. -----	5	282
	6	359
	8	516
<i>Spilonota ocellana</i> (D. & S.) -----	3	73
	4	135
<i>Stegobium paniceum</i> (L.) -----	5	348
	6	417
	9	587
<i>Stephanitis rhododendri</i> Horv. -----	4	170
	5	342
	7	475
<i>Sternochetus lapathi</i> (L.) -----	1	17
	5	337
	6	407
	7	470
	8	515
	9	578
<i>Stictocephala festina</i> (Say) -----	3	69
	6	366
	8	500
<i>Stigmaeus floridanus</i> Banks -----	7	444
<i>Stilpnotia salicis</i> (L.) -----	7	422
	10	642

Stomatolydella infernalis Towns. -----	9	566
Stomoxys calcitrans (L.) -----	2	55
	4	174
	5	346
	6	415
	7	478
	8	522
	9	585
Strigoderma arboricola (F.) -----	6	365
Supella supellectilium (Serv.) -----	4	177
	7	480
	8	525
	9	586
Sympiesis felti Crawf. -----	4	169
Syntomeida epilais Walk. -----	1	20
	9	583
Syntomeida epilais jucundissima Dyar -----	8	519
Syrbula admirabilis (Uhl.) -----	4 (Sup.)	193, 194, 205
		206, 208, 212, 221, 229
		236, 244, 254-257, 264
Systema blanda (Melsh.) -----	5	304
Systema hudsonias (Forst.) -----	4	156
	6	407
Systema taeniata (Say) -----	5	304
Tabanidae -----	7	478-479
Tabanus atratus F. -----	8	523
Tabanus punctifer O.S. -----	6	416
Tabanus productus Hine -----	6	416
Tabanus sonomensis O.S. -----	6	416
Tabanus spp. -----	5	346
Tabanus sulcifrons Macq. -----	6	416
Tachycines asynamorus Adel. -----	9	587
Tachypterellus quadrigibbus (Say) -----	5	295
	6	370
Taeniopteryx pacifica Banks -----	3	78
Taeniothrips inconsequens (Uzel) -----	3	77-78
	4	139
Taeniothrips simplex (Morison) -----	1	19
	2	52
	3	93
	4	167
	6	409
	7	474
	8	518
	9	581-582
	10	640
Taniva albolineana Kearf. -----	3	91
	4	166
	5	336
	9	578
Tarsonemus pallidus Banks -----	3	92
	7	472



Tarsonemus sp. -----	9	567
Thecodiplosis mosellana Gehin -----	9	553
Tenebrio obscurus F. -----	1	23
Tenebrionidae -----	4	146
Tenebroides mauritanicus (L.) -----	1	23
	7	481
	8	525
Tenthredinidae -----	6	405
Terastia meticulosalis Guen. -----	2	51
Tetanops aldrichi Hendel -----	4	154
	6	391
Tetraleurodes mori (Quaint.) -----	4	168
	9	575
Tetralopha sp. -----	8	513
Tetramorium caespitum (L.) -----	4	176
	5	347
Tetranobia longipes (Banks) -----	4	125
Tetranychina mcdonoughi McG. -----	3	69
Tetranychina tritici (Ewing) -----	4	112, 125
Tetranychus pacificus McG. -----	3	71
	4	132
	7	438
	9 (Sup.)	589, 593-594
Tetranychus sexmaculatus Riley -----	2	43
Tetranychus sp. -----	3	65
Tetranychus telarius (L.) -----	1	6, 13
	2	47
	3	65, 85
	4	122
	9 (Sup.)	589, 594-560
Tetranychus willamettei McG. -----	4	141
	9	558
Theobaldia incidens (Thoms.) -----	2	54
	3	97
Thoracaphis umbellulariae Essig -----	7	474
Thripidae -----	9	581
Thrips tabaci Lind. -----	1	13
	2	46
	3	81, 84, 92
	4	141, 151-152
	5	314
	6	352, 389
	7	420, 422, 453
	8	502
	9	564, 582
Thyanta custator (F.) -----	9	551
Thylodrias contractus Mots. -----	6	417
	9	587
Thyridopteryx ephemeraeformis (Haw.) -----	1	16
	6	398-399
	7	462-463
	8	509
Thyrillus pacificus (Uhl.) -----	4	124
	5	286

Thysanoptera -----	3		93, 95
	4		130, 157, 167
	5		290-291, 322, 332
	6		411
Tineola walsinghami Busck -----	5		349
	6		417
	9		587
Tiphia popillivora Rohw. -----	1	(Sup.)	27-28
Tiphia vernalis Rohw. -----	1	(Sup.)	26-27
Tomostethus multicinctus Rohw. -----	4		160
Tortricidae -----	5		315
Tortrix cockerellana Kearf. -----	6		400
Toumeyella liriodendri (Gmel.) -----	6		406
	9		583
Toumeyella numismaticum P. & McD. -----	5		335
	6		405
Toumeyella parvicorne Ckll. -----	7		470
Toumeyella turgida Ckll. -----	3		94
	4		170
Toxoptera graminum Rond. -----	3		66
	4		112, 124
	7		419, 431
Toxotrypana curvicauda Gerst. -----	5		303
Tracheus tabidus (F.) -----	7		419, 430-431
Trachyrachis kiowa Thos. -----	4	(Sup.)	218, 258
Trachyrachis kiowa fuscifrons (Stal) -----	4	(Sup.)	205, 208, 212, 221, 236
			240, 244, 256, 257, 264
Trachyrachis kiowa kiowa Thos. -----	4	(Sup.)	197, 200, 208
			212, 225, 229, 232, 236
			252, 260, 261, 264, 268
Trachyrachis sp. -----	4	(Sup.)	197, 236
Tremex columba (L.) -----	8		511
	9		572
Trialeurodes sp. -----	4		157
Trialeurodes vaporariorum (Westw.) -----	3		92
Triaspis curculionis (Fitch) -----	7		453
Tribolium confusum Duv. -----	1		23
	2		59
Tribolium madens (Charp.) -----	5		349
	9		587
Trichiotinus piger (F.) -----	6		410
Trichobaris trinotata (Say) -----	6		381
	7		453
Trichogramma sp. -----	8		496
Trifidaphis phaseoli (Pass.) -----	4		156
Trimerotropis agrestis McN. -----	4	(Sup.)	198
Trimerotropis caeruleipennis Brun. -----	4	(Sup.)	232
Trimerotropis citrina Scudd. -----	4	(Sup.)	244
Trimerotropis formosus Say.			
See Tropidolophus formosus Say.			
Trimerotropis gracilis Thos. -----	4	(Sup.)	236, 268
Trimerotropis laticincta Sauss. -----	4	(Sup.)	198, 212, 225
			236, 252, 260, 268

Trimerotropis latifasciata laticincta -----	4 (Sup.)	244, 256
Trimerotropis melanoptera -----	4 (Sup.)	236, 260
Trimerotropis pallidipennis Burm. -----	4 (Sup.)	198, 225, 232, 233 236, 244, 256, 260, 261
Trimerotropis pallidipennis pallidipennis -----	4 (Sup.)	268
Trimerotropis sp. -----	4 (Sup.)	232, 248
Trimerotropis sparsa Thos. -----	4 (Sup.)	260
Trimerotropis strenua McN. -----	4 (Sup.)	260
Trimerotropis suffusus Scudd. -----	4 (Sup.)	260
Troctes divinatorius (Mull.) -----	1	24
Trombicula tlalzahuatl Murray -----	6	414
Trombidium magnificum Lec. -----	8	521
Tropaea luna L. -----	2	59
Tropidolophus formosus Say -----	4 (Sup.)	198, 236, 256
Tuberculatus ulmifolii (Monell) -----	8	511
Tychius griseus Schaeffer -----	6	367
Tychius picirostris (F.) -----	9	545, 554-555
Tyloderma fragariae (Riley) -----	2	47
	6	390
	7	455
Typhlocyba pomaria McA. -----	7	439
	8	493
	9	557
Typophorus viridicyaneus (Crotch) -----	8	503
Udeopsylla robusta Hald. -----	5	349
Urbanus proteus (L.) -----	2	45
Uscana semifumipennis Gir. -----	2	59
Vespa crabro L. -----	9	582
Wasmannia auropunctata (Roger) -----	3	100
	5	347
	7	479
Wohlfahrtia vigil Walk. -----	7	479
Wyeomyia smithii Coq. -----	6	413
Xanthippus corallipes Hald. -----	4 (Sup.)	198, 236
Xanthippus corallipes pantherinus Scudd. -----	4 (Sup.)	244, 256
Xanthopastis timais (Gram.) -----	3	94
	5	341
	6	410
Xenopsylla cheopis (Rothsch.) -----	2	54
Xyletinus peltatus (Harr.) -----	2	59
Xylocrius agassizi Lec. -----	3	78
Xylotrechus quadrimaculatus (Hald.) -----	7	463
Xylotrechus sagittatus (Germ.) -----	5	349
Zenillia caesar Ald. -----	8 (Sup.)	528, 534
Zonosemata electa (Say) -----	1	11
Zootermopsis angusticollis Hagen -----	3	100
Zophodia convolutella (Hbn.) -----	6	375



The common names approved by the American Association of Economic Entomologists are indicated by the letters a.n.o. (American name, official).

Alfalfa caterpillar a.n.o.-----	<i>Colias eurytheme</i> Bdv.
Alfalfa snout beetle a.n.o.-----	<i>Brachyrhinus ligustici</i> (L.)
Alfalfa weevil a.n.o.-----	<i>Hypera postica</i> (Gyll.)
American dog tick a.n.o.-----	<i>Dermacentor variabilis</i> (Say)
Angoumois grain moth a.n.o.-----	<i>Sitotroga cerealella</i> (Oliv.)
Apple aphid a.n.o.-----	<i>Aphis pomi</i> Deg.
Apple curculio a.n.o.-----	<i>Tachypterellus quadrigibbus</i> (Say)
Apple flea weevil a.n.o.-----	<i>Rhynchaenus pallicornis</i> (Say)
Apple grain aphid a.n.o.-----	<i>Rhopalosiphum prunifoliae</i> (Fitch)
Apple leaf-curling midge-----	<i>Dasyneura mali</i> Kieff.
Apple leaf skeletonizer a.n.o.-----	<i>Psorosina hammondi</i> (Riley)
Apple maggot a.n.o.-----	<i>Rhagoletis pomonella</i> (Walsh)
Apple twig borer a.n.o.-----	<i>Schistoceros hamatus</i> (F.)
Arborvitae aphid-----	<i>Lachnus thujaefilina</i> Del G.
Arborvitae leaf miner a.n.o.-----	<i>Argyresthia thuiella</i> (Pack.)
Argentine ant a.n.o.-----	<i>Iridomyrmex humilis</i> Mayr
Arizona ash tingid-----	<i>Leptopypha minor</i> McA.
Armyworm a.n.o.-----	<i>Cirphis unipuncta</i> (Haw.)
Asiatic garden beetle a.n.o.-----	<i>Autoserica castanea</i> (Arrow)
Asparagus beetle a.n.o.-----	<i>Crioceris asparagi</i> (L.)
Asparagus miner a.n.o.-----	<i>Agromyza simplex</i> Loew
Australian cockroach a.n.o.-----	<i>Periplaneta australasiae</i> (F.)
Avocado red mite a.n.o.-----	<i>Paratetranychus yothersi</i> McG.
Azalea leaf miner-----	<i>Gracilaria azaleella</i> Brants.
Azalea scale-----	<i>Eriococcus azaleae</i> Comst.
Bagworm a.n.o.-----	<i>Thyridopteryx ephemeraeformis</i> (Haw.)
Banded ash borer-----	<i>Neoclytus caprea</i> (Say)
Banded cucumber beetle a.n.o.-----	<i>Diabrotica balteata</i> Lec.
Banded greenhouse thrips a.n.o.-----	<i>Hercinothrips femoralis</i> (Reut.)
Beaked willow gall-----	<i>Phytophaga rigidae</i> O.S.
Bean aphid a.n.o.-----	<i>Aphis rumicis</i> L.
Bean leaf beetle a.n.o.-----	<i>Cerotoma trifurcata</i> (Forst.)
Bean leaf roller a.n.o.-----	<i>Urbanus proteus</i> (L.)
Bean thrips a.n.o.-----	<i>Herciothrips fasciatus</i> (Perg.)
Bean weevil a.n.o.-----	<i>Acanthoscelides obtectus</i> (Say)
Bedbug a.n.o.-----	<i>Cimex lectularius</i> L.
Beech leaf skeletonizer-----	<i>Psilocorsis faginella</i> Chamb.
Beech scale a.n.o.-----	<i>Cryptococcus fagi</i> (Baer.)
Beech woolly aphid-----	<i>Phyllaphis fagi</i> (L.)
Beet leafhopper a.n.o.-----	<i>Eutettix tenellus</i> (Bak.)
Beet webworm a.n.o.-----	<i>Loxostege sticticalis</i> (L.)
Birch leaf miner-----	<i>Fenusa pumila</i> Klug
Birch skeletonizer a.n.o.-----	<i>Bucculatrix canadensisella</i> Chamb.
Black carpenter ant a.n.o.-----	<i>Camponotus herculeanus pennsylvanicus</i> (Deg.)
Black carpet beetle a.n.o.-----	<i>Attagenus piceus</i> (Oliv.)
Black cherry aphid a.n.o.-----	<i>Myzus cerasi</i> (F.)
Black grain stem sawfly a.n.o.-----	<i>Trachelus tabidus</i> (F.)

Black-headed fireworm a.n.o.-----	Rhopobota naevana (Hbn.)
Black-horned tree cricket a.n.o.-----	Oecanthus nigricornis Walk.
Black horsefly a.n.o.-----	Tabanus atratus F.
Black-legged tick a.n.o.-----	Ixodes ricinus scapularis Say
Black pecan aphid a.n.o.-----	Melanocallis caryaefoliae (Davis)
Black scale a.n.o.-----	Saissetia oleae (Bern.)
Black vine weevil a.n.o.-----	Brachyrhinus sulcatus (F.)
Black widow spider a.n.o.-----	Latrodectus mactans (F.)
Blue-sided tent caterpillar-----	Malacosoma constricta (Stretch)
Boll weevil a.n.o.-----	Anthonomus grandis Boh.
Bollworm a.n.o.-----	Heliothis armigera (Hbn.)
Booklouse a.n.o.-----	Troctes divinatorius (Mull.)
Boxelder aphid a.n.o.-----	Periphyllus negundinis (Thos.)
Boxelder bug a.n.o.-----	Leptocoris trivittatus (Say)
Boxwood leaf miner a.n.o.-----	Monarthropalpus buxi Laboulb.
Branch and twig borer-----	Polycaon confertus Lec.
Bristly rose slug a.n.o.-----	Cladius isomorus Nort.
Broad-horned flour beetle-----	Gnathocerus cornutus (F.)
Broad-necked root borer a.n.o.-----	Prionus laticollis (Drury)
Bronzed birch borer a.n.o.-----	Agrilus anxius Gory
Brown-banded cockroach-----	Supella supellectilium (Serv.)
Brown dog tick a.n.o.-----	Rhipicephalus sanguineus Latr.
Brown-tail moth a.n.o.-----	Nygmia phaeorrhoea (Donov.)
Buffalo treehopper a.n.o.-----	Cercsa bubalus (F.)
Bulb mite a.n.o.-----	Rhizoglyphus hyacinthi Bdv.
Bumble flower beetle a.n.o.-----	Euphoria inda (L.)
Cabbage curculio a.n.o.-----	Ceutorhynchus rapae Gyll.
Cabbage looper a.n.o.-----	Autographa brassicae (Riley)
Cabbage maggot a.n.o.-----	Hylemya brassicae (Bouche)
Cabbage webworm a.n.o.-----	Hellula undalis (F.)
Cadelle a.n.o.-----	Tenebroides mauritanicus (L.)
California red scale a.n.o.-----	Aonidiella aurantii (Mask.)
Camellia scale-----	Lepidosaphes camelliae Hoke
Camphor scale a.n.o.-----	Pseudaonidia duplex (Ckll.)
Carpenter worm a.n.o.-----	Prionoxystus robiniae (Peck)
Carrot beetle a.n.o.-----	Ligyrus gibbosus (Deg.)
Carrot rust fly a.n.o.-----	Psila rosae (F.)
Catalpa midge a.n.o.-----	Cecidomyia catalpae (Comst.)
Catalpa sphinx a.n.o.-----	Ceratonia catalpae (Bdv.)
Cat flea a.n.o.-----	Ctenocephalides felis (Bouche)
Cattle biting-louse a.n.o.-----	Bovicola bovis (L.)
Cedar bark beetle-----	Phloeosinus dentatus (Say)
Chaff scale a.n.o.-----	Parlatoria pergandii Comst.
Chain-spotted geometer a.n.o.-----	Cingilia catenaria (Drury)
Changa a.n.o.-----	Scapteriscus vicinus Scudd.
Cherry fruitfly a.n.o.-----	Rhagoletis cingulata (Loew)
Cherry fruitworm a.n.o.-----	Grapholitha packardii Zell.
Cherry scale a.n.o.-----	Aspidiotus forbesi Johns.
Chicken mite a.n.o.-----	Dermanyssus gallinae (Deg.)
Chigger a.n.o.-----	Eutrombicula alfreddugesi (Oud.)
Chinch bug a.n.o.-----	Blissus leucopterus (Say)
Chokecherry midge-----	Contarinia virginianiae Felt



Chrysanthemum aphid a.n.o.-----	Macrosiphoniella sanborni (Gill.)
Chrysanthemum gall midge a.n.o.-----	Diarthronomyia hypogaea (Loew)
Chrysanthemum lacebug-----	Corythucha marmorata (Uhl.)
Citrus mealybug a.n.o.-----	Pseudococcus citri (Risso)
Citrus red mite a.n.o.-----	Paratetranychus citri McG.
Citrus rust mite a.n.o.-----	Phyllocoptes oleivorus Ashm.
Citrus thrips a.n.o.-----	Scirtothrips citri (Moult.)
Citrus whitefly a.n.o.-----	Dialeurodes citri (Ashm.)
Clear Lake gnat-----	Chaoborus lacustris Freeborn
Clover aphid a.n.o.-----	Anuraphis bakeri (Cowen)
Clover hay worm a.n.o.-----	Hypsopygia costalis (F.)
Clover head weevil a.n.o.-----	Tychius griseus Schaeffer
Clover leaf weevil a.n.o.-----	Hypera punctata (F.)
Clover mite a.n.o.-----	Bryobia praetiosa Koch
Clover root borer a.n.o.-----	Hylastinus obscurus (Marshall)
Clover seed chalcid a.n.o.-----	Bruchophagus gibbus (Boh.)
Clover seed midge a.n.o.-----	Dasyneura leguminicola (Lint.)
Coast tent caterpillar-----	Malacosoma pluvialis (Dyar)
Codling moth a.n.o.-----	Carpocapsa pomonella (L.)
Coffee-bean weevil a.n.o.-----	Araecerus fasciculatus (Deg.)
Colorado potato beetle a.n.o.-----	Leptinotarsa decemlineata (Say)
Columbine borer a.n.o.-----	Papaipema purpurifascia (G. & R.)
Columbine leaf miner a.n.o.-----	Phytomyza minuscula Gour.
Common powder-post beetle-----	Lyctus planicollis Lec.
Common red spider a.n.o.-----	Tetranychus telarius (L.)
Comstock's mealybug a.n.o.-----	Pseudococcus comstocki (Kuw.)
Cooley's spruce gall-----	Adelges cooleyi (Gill.)
Corn ear worm a.n.o.-----	Heliothis armigera (Hbn.)
Corn flea beetle a.n.o.-----	Chaetocnema pulicaria Melsh.
Corn lanternfly-----	Peregrinus maidis (Ashm.)
Corn leaf aphid a.n.o.-----	Aphis maidis Fitch
Corn rootworm a.n.o.-----	Diabrotica longicornis (Say)
Corn root webworm a.n.o.-----	Crambus caliginosellus Clem.
Corn sap beetle a.n.o.-----	Carpophilus dimidiatus (F.)
Corn silk beetle a.n.o.-----	Luperodes brunneus Crotch
Cotton flea hopper a.n.o.-----	Psallus seriatu (Reut.)
Cotton leaf perforator a.n.o.-----	Bucculatrix thurberiella Busck
Cotton leaf worm a.n.o.-----	Alabama argillacea (Hbn.)
Cotton stainer a.n.o.-----	Dysdercus suturalis (H. S.)
Cottonwood leaf beetle a.n.o.-----	Chrysomela scripta F.
Cottonwood scale-----	Chionaspis ortholobis Comst.
Cottony-cushion scale a.n.o.-----	Icerya purchasi Mask.
Cottony maple scale a.n.o.-----	Pulvinaria vitis (L.)
Coule's cricket a.n.o.-----	Peranebrus scabricollis (Thos.)
Cowpea curculio a.n.o.-----	Chalcodermus aeneus Boh.
Crab louse a.n.o.-----	Phthirus pubis (L.)
Crapemyrtle aphid a.n.o.-----	Myzocallis kahawaluokalani Kirk.
Currant fruitfly a.n.o.-----	Epochra canadensis Loew
Cyclamen mite a.n.o.-----	Tarsonemus pallidus Banks
Deodar weevil a.n.o.-----	Pissodes nemorensis Germ.
Diamondback moth a.n.o.-----	Plutella maculipennis (Curt.)
Dog flea a.n.o.-----	Ctenocephalides canis (Curt.)

Dogwood club gall-----	<i>Mycodiplosis alternata</i> Felt
Douglas-fir beetle a.n.o.-----	<i>Dendroctonus pseudotsugae</i> Hopk.
Dried fruit beetle a.n.o.-----	<i>Carpophilus hemipterus</i> (L.)
Drug store weevil a.n.o.-----	<i>Stegobium paniceum</i> (L.)
Ear tick a.n.o.-----	<i>Ornithodoros megnini</i> Duges
Eastern spruce gall aphid a.n.o.-----	<i>Adelges abietis</i> (L.)
Eastern tent caterpillar a.n.o.-----	<i>Malacosoma americana</i> (F.)
Eggplant lacebug a.n.o.-----	<i>Gargaphia solani</i> Heid.
Eight-spotted forester a.n.o.-----	<i>Alypia octomaculata</i> (F.)
Elm cockscomb gall a.n.o.-----	<i>Colopha ulmicola</i> (Fitch)
Elm flea beetle-----	<i>Altica ulmi</i> (Woods)
Elm leaf beetle a.n.o.-----	<i>Galerucella xanthomelaena</i> (Schr.)
Elm leaf miner a.n.o.-----	<i>Fenusa ulmi</i> Sund.
Elm sawfly a.n.o.-----	<i>Cimbex americana</i> Leach
Elm scurfy scale a.n.o.-----	<i>Chionaspis americana</i> Johns.
Elm spanworm a.n.o.-----	<i>Ennomos subsignarius</i> (Hbn.)
English grain aphid a.n.o.-----	<i>Macrosiphum granarium</i> (Kby.)
Euonymus scale a.n.o.-----	<i>Chionaspis euonymi</i> Comst.
European chicken flea a.n.o.-----	<i>Ceratophyllus gallinae</i> Schr.
European corn borer a.n.o.-----	<i>Pyrausta nubilalis</i> (Hbn.)
European earwig a.n.o.-----	<i>Forficula auricularia</i> L.
European elm scale a.n.o.-----	<i>Gossyparia spuria</i> (Mod.)
European fruit lecanium a.n.o.-----	<i>Lecanium corni</i> Bouche
European pine shoot moth a.n.o.-----	<i>Rhyacionia buoliana</i> (Schiff.)
European red mite a.n.o.-----	<i>Paratetranychus pilosus</i> (C. & F.)
European spruce sawfly a.n.o.-----	<i>Diprion polytomum</i> (Htg.)
European wheat stem sawfly a.n.o.-----	<i>Cephus pygmaeus</i> (L.)
European willow leaf beetle-----	<i>Plagiodera versicolora</i> (Laich.)
Eye-spotted budmoth a.n.o.-----	<i>Spilonota ocellana</i> (D. & S.)
Fall armyworm a.n.o.-----	<i>Laphygma frugiperda</i> (A. & S.)
Fall cankerworm a.n.o.-----	<i>Alsophila pometaria</i> (Harr.)
Fall webworm a.n.o.-----	<i>Hyphantria cunea</i> (Drury)
False chinch bug a.n.o.-----	<i>Nysius ericae</i> (Schill.)
False cottony maple scale-----	<i>Pulvinaria acericola</i> Walsh & Riley
Fern scale a.n.o.-----	<i>Pinnaspis aspidistrae</i> (Sign.)
Fickle midge-----	<i>Sciara inconstans</i> Fitch
Field cricket a.n.o.-----	<i>Gryllus assimilis</i> F.
Fig scale a.n.o.-----	<i>Lepidosaphes ficus</i> (Sign.)
Fir flatheaded borer a.n.o.-----	<i>Melanophila fulvoguttata drummondi</i> (Kby.)
Flatheaded apple tree borer a.n.o.-----	<i>Chrysobothris femorata</i> (Oliv.)
Florida red scale a.n.o.-----	<i>Chrysomphalus aonidum</i> (L.)
Flower thrips a.n.o.-----	<i>Frankliniella tritici</i> (Fitch)
Forest tent caterpillar a.n.o.-----	<i>Malacosoma disstria</i> Hbn.
Fowl tick a.n.o.-----	<i>Argas miniatus</i> Koch
Fruit tree leaf roller a.n.o.-----	<i>Cacoecia argyrospila</i> (Walk.)
Fuller's rose beetle a.n.o.-----	<i>Pantomorus godmani</i> (Crotch)
Garden centipede a.n.o.-----	<i>Scutigera immaculata</i> (Newp.)
Garden flea hopper a.n.o.-----	<i>Halticus citri</i> (Ashm.)
Garden webworm a.n.o.-----	<i>Loxostege similalis</i> (Guen.)



German cockroach a.n.o.-----	<i>Blattella germanica</i> (L.)
Giant hornet a.n.o.-----	<i>Vespa crabro</i> L.
Gladiolus thrips a.n.o.-----	<i>Taeniothrips simplex</i> (Morison)
Goldenglow aphid a.n.o.-----	<i>Macrosiphum rudbeckiae</i> (Fitch)
Gooseberry fruitworm a.n.o.-----	<i>Zophodia convolutella</i> (Hbn.)
Grape berry moth a.n.o.-----	<i>Polychrosis viteana</i> (Clem.)
Grape colaspis a.n.o.-----	<i>Colaspis brunnea</i> (F.)
Grape flea beetle a.n.o.-----	<i>Altica chalybea</i> Ill.
Grape leaf folder a.n.o.-----	<i>Desmia funeralis</i> (Hbn.)
Grape leafhopper a.n.o.-----	<i>Erythroneura comes</i> (Say)
Grape leaf skeletonizer a.n.o.-----	<i>Harrisina americana</i> (Guer.)
Grape phylloxera a.n.o.-----	<i>Phylloxera vitifoliae</i> (Fitch)
Grape plume moth a.n.o.-----	<i>Pterophorus periscolidactylus</i> Fitch
Grape root borer a.n.o.-----	<i>Paranthrene polistiformis</i> (Harr.)
Grape rootworm a.n.o.-----	<i>Fidia viticida</i> Walsh
Grape sawfly a.n.o.-----	<i>Erythraspides pygmaea</i> (Say)
Grape thrips-----	<i>Drepanothrips reuteri</i> Uzel
Grape trunk borer-----	<i>Clytoleptus albofasciatus</i> (Lap.)
Grapevine aphid a.n.o.-----	<i>Aphis illinoisensis</i> Shin.
Grass thrips a.n.o.-----	<i>Anaphothrips obscurus</i> (Mull.)
Great Basin tent caterpillar-----	<i>Malacosoma fragilis</i> (Stretch)
Green bug a.n.o.-----	<i>Toxoptera graminum</i> Rond.
Green citrus aphid-----	<i>Aphis spiraeicola</i> Patch
Green clover worm a.n.o.-----	<i>Plathypena scabra</i> (F.)
Green June beetle a.n.o.-----	<i>Cotinis nitida</i> (L.)
Green peach aphid a.n.o.-----	<i>Myzus persicae</i> (Sulz.)
Green stinkbug a.n.o.-----	<i>Acrosternum hilare</i> (Say)
Greenhouse leaf tier a.n.o.-----	<i>Phlyctaenia rubigalis</i> (Guen.)
Greenhouse stone cricket a.n.o.-----	<i>Tachycines asynamorus</i> Adel.
Greenhouse whitefly a.n.o.-----	<i>Trialeurodes vaporariorum</i> (Westw.)
Green-striped maple worm a.n.o.-----	<i>Anisota rubicunda</i> F.
Gulf coast tick a.n.o.-----	<i>Amblyomma maculatum</i> Koch
Gypsy moth a.n.o.-----	<i>Porthetria dispar</i> (L.)
Hackberry nipple gall a.n.o.-----	<i>Pachypsylla celtidis-nanna</i> Riley
Hairy chinch bug a.n.o.-----	<i>Blissus hirtus</i> Montd.
Harlequin bug a.n.o.-----	<i>Murgantia histrionica</i> (Hahn)
Hawaiian beet webworm a.n.o.-----	<i>Hymenia fascialis</i> (Cran.)
Hawthorne leaf miner-----	<i>Profenusa canadensis</i> (Marlatt)
Henlock borer a.n.o.-----	<i>Melanophila fulvoguttata</i> (Harr.)
Hessian fly a.n.o.-----	<i>Phytophaga destructor</i> (Say)
Hickory bark beetle a.n.o.-----	<i>Scolytus quadrispinosus</i> Say
Hickory leaf stem gall-----	<i>Phylloxera caryaecaulis</i> Fitch
Hickory phylloxera-----	<i>Phylloxera caryaecaulis</i> Fitch
Hickory shuck worm a.n.o.-----	<i>Laspeyresia caryana</i> (Fitch)
Hickory tussock moth a.n.o.-----	<i>Halisidota caryae</i> (Harr.)
Hog louse a.n.o.-----	<i>Haematopinus suis</i> (L.) (Changed to <i>Haematopinus adventicius</i> Neun.)
Holly leaf miner a.n.o.-----	<i>Phytomyza ilicis</i> Curt.
Hop aphid a.n.o.-----	<i>Phorodon humuli</i> (Schr.)
Horn fly a.n.o.-----	<i>Haematobia irritans</i> L.
Horned oak gall-----	<i>Andricus cornigerus</i> O.S.

House centipede a.n.o.-----	<i>Scutigera forceps</i> Raf.
House cricket a.n.o.-----	<i>Gryllus domesticus</i> L.
Howard's scale a.n.o.-----	<i>Aspidiotus howardi</i> Ckll.
Imbricated snout beetle a.n.o.-----	<i>Epicaerus imbricatus</i> (Say)
Imported cabbage worm a.n.o.-----	<i>Pieris rapae</i> (L.)
Imported currant worm a.n.o.-----	<i>Pteronidea ribesii</i> (Scop.)
Imported willow leaf beetle-----	<i>Plagiodera versicolora</i> (Laich.)
Indian-meal moth a.n.o.-----	<i>Plodia interpunctella</i> (Hbn.)
Introduced pine sawfly a.n.o.-----	<i>Diprion simile</i> (Htg.)
Iris borer a.n.o.-----	<i>Macronoctua onusta</i> Grote
Japanese beetle a.n.o.-----	<i>Popillia japonica</i> Newm.
Japanese maple scale-----	<i>Leucaspis japonica</i> Ckll.
Juniper scale-----	<i>Diaspis carueli</i> Targ.
Juniper webworm-----	<i>Dichomeris marginellus</i> F.
Larch casebearer a.n.o.-----	<i>Coleophora laricella</i> Hbn.
Larch sawfly a.n.o.-----	<i>Lygaeonematus erichsonii</i> (Htg.)
Larger canna leaf roller a.n.o.-----	<i>Calpodes ethlius</i> (Cram.)
Larger elm leaf beetle-----	<i>Monocesta coryli</i> (Say)
Lead cable borer a.n.o.-----	<i>Scobicia declivis</i> (Lec.)
Leaf crumpler a.n.o.-----	<i>Mimola indigenella</i> (Zell.)
Leaf-footed bug a.n.o.-----	<i>Leptoglossus phyllopus</i> (L.)
Lesser apple worm a.n.o.-----	<i>Grapholitha prunivora</i> (Walsh)
Lesser cornstalk borer a.n.o.-----	<i>Elasmopalpus lignosellus</i> (Zell.)
Lesser peach borer a.n.o.-----	<i>Conopia pictipes</i> (G. & R.)
Lilac borer a.n.o.-----	<i>Pedosesia syringae</i> (Harr.)
Lima bean vine borer a.n.o.-----	<i>Monoptilota pergratialis</i> (Hulst)
Linden bark borer-----	<i>Chrysoclista linneella</i> Glerck
Linden borer a.n.o.-----	<i>Saperda vestita</i> Say
Linden wart gall-----	<i>Cecidomyia verrucicola</i> O.S.
Locust borer a.n.o.-----	<i>Cyllene robiniae</i> (Forst.)
Locust leaf miner a.n.o.-----	<i>Chalepus dorsalis</i> Thunb.
Lone star tick a.n.o.-----	<i>Amblyomma americanum</i> (L.)
Long-nosed cattle louse-----	<i>Linognathus vituli</i> L.
Magnolia scale a.n.o.-----	<i>Neolecanium cornuparvum</i> (Thro)
Maple bladder gall-----	<i>Phyllocoptes quadripes</i> Shim.
Maple leaf cutter a.n.o.-----	<i>Paraclemensia acerifoliella</i> (Fitch)
Maple leaf stem borer-----	<i>Caulacampus acericaulis</i> MacG. (Changed to <i>Priophorus acericaulis</i> (MacG.))
Meadow plant bug a.n.o.-----	<i>Miris dolabratus</i> (L.)
Mealy flata-----	<i>Ormenis pruinosa</i> (Say)
Mealy plum aphid a.n.o.-----	<i>Hyalopterus arundinis</i> (F.)
Melon aphid a.n.o.-----	<i>Aphis gossypii</i> Glov.
Mexican bean beetle a.n.o.-----	<i>Epilachna varivestis</i> Muls.
Mexican fruitfly a.n.o.-----	<i>Anastrepha ludens</i> (Loew)
Mint flea beetle-----	<i>Longitarsus waterhousei</i> Kutsch.
Monarch butterfly a.n.o.-----	<i>Danaus menippe</i> (Hbn.)
Mormon cricket a.n.o.-----	<i>Anabrus simplex</i> Hald.



Mossy rose gall a.n.o.-----  
Mourning-cloak butterfly a.n.o.-----  
Mulberry whitefly a.n.o.-----

Native elm bark beetle a.n.o.-----  
Negro bug a.n.o.-----  
New York weevil a.n.o.-----  
Northern cattle grub a.n.o.-----  
Northern mole cricket a.n.o.-----  
Norway maple aphid a.n.o.-----  
Nose botfly a.n.o.-----

Oak button gall-----  
Oak lacebug-----  
Oblong weevil-----  
Obscure scale a.n.o.-----  
Oleander scale a.n.o.-----  
Olive scale-----  
Onion maggot a.n.o.-----  
Onion plant bug-----  
Onion thrips a.n.o.-----  
Orange-striped oak worm a.n.o.-----  
Oriental beetle a.n.o.-----  
Oriental cockroach a.n.o.-----  
Oriental fruit moth a.n.o.-----  
Oriental rat flea a.n.o.-----  
Oystershell scale a.n.o.-----

Pacific coast tick a.n.o.-----  
Pacific grass bug-----  
Pacific mite-----  
Pale western cutworm a.n.o.-----

Pandora moth a.n.o.-----  
Papaya fruitfly a.n.o.-----  
Papaya webworm-----  
Pea aphid a.n.o.-----  
Pea weevil a.n.o.-----  
Peach borer a.n.o.-----  
Peach twig borer a.n.o.-----  
Pear leaf blister mite a.n.o.-----  
Pear leaf rolling midge-----  
Pear psylla a.n.o.-----  
Pear slug a.n.o.-----  
Pear thrips a.n.o.-----  
Pecan carpenter worm a.n.o.-----  
Pecan leaf casebearer a.n.o.-----  
Pecan nut casebearer a.n.o.-----  
Pecan phylloxera a.n.o.-----  
Pecan weevil a.n.o.-----  
Pepper maggot-----  
Pepper weevil a.n.o.-----  
Periodical cicada a.n.o.-----

Rhodites rosae (L.)  
Hamadryas antiopa (L.)  
Tetraneura mori (Quaint.)  
Hylurgopinus rufipes (Eich.)  
Allogoris pulicaria (Germ.)  
Ithycerus noveboracensis (Forst.)  
Hypoderma bovis (Dog.)  
Gryllotalpa hexadactyla Perty  
Periphyllus lyropictus (Koss.)  
Gasterophilus haemorrhoidalis (L.)

Neuroterus umbilicatus Bass.  
Corythucha ciliata (Say)  
Phyllobius oblongus L.  
Chrysomphalus obscurus (Const.)  
Aspidiotus hederæ (Vallot)  
Parlatoria oleæ Colv.  
Hylemya antiqua (Meig.)  
Labopidea allii Knight  
Thrips tabaci Lind.  
Anisota senatoria (A. & S.)  
Anomala orientalis Wtrh.  
Blatta orientalis L.  
Grapholitha molesta (Busck)  
Xenopsylla cheopis (Rothsch.)  
Lepidosaphes ulmi (L.)

Dermacentor occidentalis Neum.  
Thyrillus pacificus (Uhl.)  
Tetramesochus pacificus McG.  
Perosagrotis orthogonia (Morr.)  
(Changed to Agrotis orthogonia Morr.)  
Colaradia pandora Blake  
Toxotrypana curvicauda Gerst.  
Homaloptilia dalera Dyar  
Macrosiphum pisi (Kltb.)  
Bruchus pisorum (L.)  
Conopia exitiosa (Say)  
Anarsia lineatella Zell.  
Eriophyes pyri Pgst.  
Dasynceura pyri (Bouche)  
Psylla pyricola (Foerst.)  
Caliroa cerasi (L.)  
Tachiothrips inconsequens (Uzel)  
Cossula magnifica (Stkr.)  
Acrobasis juglandis (LeB.)  
Acrobasis caryae Grote  
Phylloxera devastatrix Perg.  
Curculio caryae (Horn)  
Zonosoma electa (Say)  
Anthonomus cugini Cano  
Magdalenia septendecim (L.)



Phlox plant bug-----	<i>Lopidea davisi</i> Knight
Pickleworm a.n.o.-----	<i>Diaphania nitidalis</i> (Stoll)
Pigeon tremex a.n.o.-----	<i>Tremex columba</i> (L.)
Pine bark aphid a.n.o.-----	<i>Pineus strobi</i> (Htg.)
Pine needle scale a.n.o.-----	<i>Chionaspis pinifoliae</i> (Fitch)
Pineapple mealybug a.n.o.-----	<i>Pseudococcus brevipes</i> (Ckll.)
Pink bollworm a.n.o.-----	<i>Pectinophora gossypiella</i> (Saund.)
Pistol casebearer a.n.o.-----	<i>Coleophora malivorella</i> Riley
Pitch twig moth a.n.o.-----	<i>Petrova comstockiana</i> (Fern.)
Plains false wireworm a.n.o.-----	<i>Eleodes opaca</i> (Say)
Plum curculio a.n.o.-----	<i>Conotrachelus nenuphar</i> (Hbst.)
Plum gouger a.n.o.-----	<i>Anthonomus scutellaris</i> Lec.
Plum leafhopper a.n.o.-----	<i>Macropsis trimaculata</i> (Fitch)
Polka-dot wasp moth-----	<i>Syntomeida opilais</i> Walk.
Poplar and willow borer a.n.o.-----	<i>Sternochetus lapathi</i> (L.)
Poplar tent maker-----	<i>Ichthyura inclusa</i> Hbn.
Poplar vagabond aphid a.n.o.-----	<i>Mordwilkoja vagabunda</i> (Walsh)
Potato aphid a.n.o.-----	<i>Macrosiphum solanifolii</i> (Ashm.)
Potato flea beetle a.n.o.-----	<i>Epitrix cucumeris</i> (Harr.)
Potato leafhopper a.n.o.-----	<i>Empoasca fabae</i> (Harr.)
Potato psyllid-----	<i>Paratrioza cockerelli</i> (Sulc)
Potato stalk borer a.n.o.-----	<i>Trichobaris trinotata</i> (Say)
Potato tuber worm a.n.o.-----	<i>Gnorimoschema operculella</i> (Zell.)
Promethea moth a.n.o.-----	<i>Callosamia promethea</i> (Drury)
Pubescent oak kermes-----	<i>Kermes pubescens</i> Bogue
Purple scale a.n.o.-----	<i>Lepidosaphes beckii</i> (Newm.)
Putnam's scale a.n.o.-----	<i>Aspidiotus ancylus</i> (Putn.)
Pyriform scale a.n.o.-----	<i>Protopulvinaria pyriformis</i> (Ckll.)
Rabbit tick a.n.o.-----	<i>Haemaphysalis leporis-palustris</i> Pack
Raisin moth a.n.o.-----	<i>Ephestia figulilella</i> Greg.
Raspberry cane borer a.n.o.-----	<i>Oberea bimaculata</i> (Oliv.)
Raspberry fruitworm a.n.o.-----	<i>Byturus unicolor</i> Say
Raspberry root borer a.n.o.-----	<i>Bembecia marginata</i> (Harr.)
Raspberry sawfly a.n.o.-----	<i>Monophadnoides rubi</i> (Harr.)
Red-backed cutworm a.n.o.-----	<i>Euxoa ochrogaster</i> (Guen.)
Red elm bark weevil a.n.o.-----	<i>Magdalis armicollis</i> (Say)
Red-headed pine sawfly a.n.o.-----	<i>Neodiprion lecontei</i> (Fitch)
Red-humped caterpillar a.n.o.-----	<i>Schizura concinna</i> (A. & S.)
Red-legged flea beetle a.n.o.-----	<i>Dereocrepis erythropus</i> (Melsh.)
Red-necked cane borer a.n.o.-----	<i>Agrilus ruficollis</i> (F.)
Red-necked flea beetle-----	<i>Systema hudsonias</i> (Forst.)
Red turnip beetle a.n.o.-----	<i>Entomoscolis adonidis</i> (Pallas)
Rhinoceros beetle-----	<i>Dynastes tityus</i> (L.)
Rhododendron borer-----	<i>Conopia rhododendri</i> (Beutm.)
Rhododendron lacebug a.n.o.-----	<i>Stephanitis rhododendri</i> Horv.
Rhubarb curculio a.n.o.-----	<i>Lixus concavus</i> Say
Rice stalk borer a.n.o.-----	<i>Chilo ployadellus</i> Zinck.
Rocky Mountain spotted fever tick-----	<i>Dermaconter andersoni</i> Stiles
Rose aphid a.n.o.-----	<i>Macrosiphum rosae</i> (L.)
Rose chafer a.n.o.-----	<i>Macroductylus subspinosus</i> (F.)
Rose curculio a.n.o.-----	<i>Rhynchites bicolor</i> (F.)

Rose leaf beetle a.n.o.-----	Nodonota puncticollis Say
Rose midge a.n.o.-----	Dasyneura rhodophaga (Coq.)
Rose sawfly a.n.o.-----	Caliroa aethiops (F.)
Rosy apple aphid a.n.o.-----	Anuraphis roseus (Baker)
Roundheaded apple tree borer a.n.o.-----	Saperda candida F.
Rusty plum aphid a.n.o.-----	Hysteroneura setariae (Thos.)
Saddleback caterpillar a.n.o.-----	Sibine stimulea (Clem.)
Salmonfly-----	Taeniopteryx pacifica Banks
San Jose scale a.n.o.-----	Aspidiotus perniciosus Comst.
Satin moth a.n.o.-----	Stilpnotia salicis (L.)
Say's blister beetle a.n.o.-----	Pomphopoea sayi (Lec.)
Say's stinkbug a.n.o.-----	Chlorochroa sayi Stal
Scallop-shell moth-----	Calocalpe undulata L.
Scotch pine lecanium-----	Toumoyella numismaticum P. & McD.
Screwworm a.n.o.-----	Cochliomyia americana C. & P.
Scurfy scale a.n.o.-----	Chionaspis furfura (Fitch)
Seed-corn beetle a.n.o.-----	Agonoderus locontei Chaud.
Seed-corn maggot a.n.o.-----	Hylemya cilicrura (Rond.)
Sheep botfly a.n.o.-----	Oestris ovis L.
Sheep tick a.n.o.-----	Melophagus ovinus (L.)
Short-nosed cattle louse a.n.o.-----	Haematopinus eurysternus Nitz.
Shot-hole borer a.n.o.-----	Scolytus rugulosus (Ratz.)
Silver-spotted skipper-----	Epargyreus tityrus F. (Changed to Proteides clarus (Cram.))
Sitka spruce gall aphid-----	Adelges cooleyi (Gill.)
Six-spotted grape beetle-----	Pelidnota punctata (L.)
Six-spotted leafhopper a.n.o.-----	Macrostelus divisus (Uhl.)
Six-spotted mite a.n.o.-----	Tetranychus sexmaculatus Riley
Small body hen louse-----	Monopon pallidum Nitz.
Smaller European elm bark beetle a.n.o.--	Scolytus multistriatus Marsham
Snowball aphid a.n.o.-----	Aphis viburnicola Gill.
Soft scale a.n.o.-----	Coccus hesperidum L.
Sorghum midge a.n.o.-----	Contarinia sorghicola (Coq.)
Sorghum webworm a.n.o.-----	Celama sorghiella (Riley)
Southern corn leaf beetle-----	Myochrous denticollis (Say)
Southern corn rootworm a.n.o.-----	Diabrotica duodecimpunctata (F.)
Southern cornstalk borer a.n.o.-----	Diatraea crambidoides (Grote)
Southern green stinkbug a.n.o.-----	Nezara viridula (L.)
Southern mole cricket a.n.o.-----	Scapteriscus acletus R. & H.
Spinach carrion beetle-----	Silpha bituberosa Lec.
Spinach leaf miner a.n.o.-----	Pegomya hyoscyami (Panz.)
Spiraea aphid-----	Aphis spiraeicola Patch
Spotted cucumber beetle a.n.o.-----	Diabrotica duodecimpunctata (F.)
Spotted willow leaf beetle-----	Chrysomela lapponica (L.)
Spring cankerworm a.n.o.-----	Paleocrita vernata (Peck)
Spruce budworm a.n.o.-----	Cacoecia fumiferana (Clem.)
Spruce gall aphid-----	Pineus pinifoliae (Fitch)
Spruce mite-----	Paratetranychus uniunguis Jacobi
Spruce needle miner-----	Taniva albolineana Kearf.
Spruce red spider-----	Paratetranychus uniunguis Jacobi
Squash beetle a.n.o.-----	Epilachna borealis (F.)
Squash borer a.n.o.-----	Melittia satyriniformis Hbn.



Squash bug a.n.o.-----	<i>Anasa tristis</i> (Dog.)
Stablefly a.n.o.-----	<i>Stomoxys calcitrans</i> (L.)
Stalk borer a.n.o.-----	<i>Papaipema noëris nitela</i> (Guen.)
Strawberry crown borer a.n.o.-----	<i>Tyloderma fragariae</i> (Riley)
Strawberry crown moth a.n.o.-----	<i>Conopia bibionipennis</i> (Bdv.)
Strawberry fruitworm a.n.o.-----	<i>Cnephasia longana</i> (Haw.)
Strawberry leaf-chaffer-----	<i>Diplotaxis frondicola</i> Say
Strawberry leaf roller a.n.o.-----	<i>Ancyliis comptana</i> (Froel.)
Strawberry pamera-----	<i>Pamera longulus</i> Doll. (Changed to <i>Paromius longulus</i> (Dall.))
Strawberry root aphid a.n.o.-----	<i>Aphis forbesi</i> Wood
Strawberry root weevil a.n.o.-----	<i>Brachyrhinus ovatus</i> (L.)
Strawberry weevil a.n.o.-----	<i>Anthonomus signatus</i> Say
Striped cucumber beetle a.n.o.-----	<i>Diabrotica vittata</i> (F.)
Sucking horse louse a.n.o.-----	<i>Haematopinus asini</i> (L.)
Sugar-beet root aphid a.n.o.-----	<i>Pemphigus betae</i> Doane
Sugar-beet root maggot-----	<i>Tetanops aldrichi</i> Hendel
Sugar-beet wireworm a.n.o.-----	<i>Limoniæ californicus</i> (Mann.)
Sugarcane beetle a.n.o.-----	<i>Euctheola rugiceps</i> (Lec.)
Sugarcane borer a.n.o.-----	<i>Diatraea saccharalis</i> (F.)
Sugarcane rootstock weevil-----	<i>Anacentrinus subnudus</i> Buch.
Sunflower weevil-----	<i>Rhodoëanus tredecimpunctatus</i> (Ill.)
Sweetclover weevil-----	<i>Sitona cylindricollis</i> Fahraeus
Sweetpotatoleaf beetle-----	<i>Typophorus viridicyaneus</i> (Crotch)
Sweetpotato weevil a.n.o.-----	<i>Cylas formicarius</i> (F.)
Tarnished plant bug a.n.o.-----	<i>Lygus pratensis oblineatus</i> (Say)
Tea scale-----	<i>Fiorinia theae</i> Green
Tentiform leaf miner-----	<i>Ornix geminatella</i> Pack.
Terrapin scale a.n.o.-----	<i>Lecanium nigrofasciatum</i> Perg.
Three-cornered alfalfa hopper a.n.o.-----	<i>Stictoccephala festina</i> (Say)
Three-lined fig borer-----	<i>Ptychodes trilineatus</i> (L.)
Thurberia weevil a.n.o.-----	<i>Anthonomus grandis thurberiae</i> Pierce
Tissue paper bug-----	<i>Thylodrias contractus</i> Mots.
Tobacco budworm a.n.o.-----	<i>Heliothis virescens</i> (F.)
Tobacco flea beetle a.n.o.-----	<i>Epitrix parvula</i> (F.)
Tobacco moth a.n.o.-----	<i>Ephostia elutella</i> (Hbn.)
Tobacco thrips a.n.o.-----	<i>Frankliniella fusca</i> (Hinds)
Tomato pinworm a.n.o.-----	<i>Keiferia lycopersicella</i> (Busck)
Tomato psyllid-----	<i>Paratrioza cockerelli</i> (Sulc)
Tropical rat mite a.n.o.-----	<i>Liponyssus bacoti</i> (Hirst)
Tule beetle a.n.o.-----	<i>Agonum maculicollis</i> (Dej.)
Tuliptree scale a.n.o.-----	<i>Toumeyella liriodendri</i> (Gmel.)
Turnip aphid a.n.o.-----	<i>Rhopalosiphum pseudobrassicæ</i> (Davis)
Twig girdler a.n.o.-----	<i>Oncideres cingulatus</i> (Say)
Twig pruner a.n.o.-----	<i>Hypermallus villosus</i> (F.)
Ugly-nest caterpillar a.n.o.-----	<i>Cacoccia cerasivorana</i> (Fitch)
Vegetable weevil a.n.o.-----	<i>Listroderes obliquus</i> Klug
Velvetbean caterpillar a.n.o.-----	<i>Anticarsia gemmatilis</i> (Hbn.)
Vetch bruchid a.n.o.-----	<i>Bruchus brachialis</i> Fahraeus
Viceroy a.n.o.-----	<i>Basilarchia archippus</i> (Cram.)

Walnut caterpillar a.n.o.-----	<i>Datana integerrima</i> G. & R.
Walnut scale a.n.o.-----	<i>Aspidiotus juglans-regiae</i> Comst.
West Indian sugarcane fulgorid-----	<i>Saccharosydne saccharivora</i> Westw.
Wharf borer-----	<i>Nacorda melanura</i> (L.)
Wheat brown mite-----	<i>Tetranychina tritici</i> (Ewing)
Wheat jointworm a.n.o.-----	<i>Harmolita tritici</i> (Fitch)
Wheat midge a.n.o.-----	<i>Thecodiplosis mosellana</i> Gehin
Wheat stem maggot a.n.o.-----	<i>Meromyza americana</i> Fitch
Wheat stem sawfly a.n.o.-----	<i>Cophus cinctus</i> Nort.
Wheat straw worm a.n.o.-----	<i>Harmolita grandis</i> (Riley)
Wheat white grub-----	<i>Phyllophaga lanceolata</i> (Say)
White-fringed beetle a.n.o.-----	<i>Naupactus leucoloma</i> Boh. (Changed to <i>Pantomorus leucoloma</i> (Boh.))
White-lined sphinx a.n.o.-----	<i>Sphinx lineata</i> F.
White peach scale a.n.o.-----	<i>Aulacaspis pentagona</i> (Targ.)
White-pine weevil a.n.o.-----	<i>Pissodes strobi</i> (Peck)
Willow-grove aphid-----	<i>Melanoxanthorium smithiae</i> (Monell)
Willow grove plant louse-----	<i>Melanoxanthorium smithiae</i> (Monell)
Woolly alder aphid a.n.o.-----	<i>Prociphilus tessellatus</i> (Fitch)
Woolly apple aphid a.n.o.-----	<i>Eriosoma lanigerum</i> (Hausm.)
Woolly elm aphid a.n.o.-----	<i>Eriosoma americanum</i> (Riley)
Woolly larch aphid-----	<i>Chermes strobilobius</i> Kltb.
Yellow-necked caterpillar a.n.o.-----	<i>Datana ministra</i> (Drury)
Yellow scale-----	<i>Chrysomphalus citrinus</i> (Coq.)
Yellow-striped armyworm a.n.o.-----	<i>Prodenia ornithogalli</i> Guen.
Yellow sugarcane aphid-----	<i>Sipha flava</i> Forbes

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